

SEQUENCE LISTING

<110> Regeneron Pharmaceuticals, Inc.

<120> Humanized Non-Human Animals With Restricted Immunoglobulin Heavy Chain Loci

<130> 8000A-WO

<140> TBA

<141> Filed herewith

<150> 61/658,466

<151> 2012-06-12

<150> 61/663,131

<151> 2012-06-22

<160> 77

<170> FastSEQ for Windows Version 4.0

 $\langle 210 \rangle$ 1

<211> 754

<212> PRT

<213> Mus musculus

 $\langle 400 \rangle$ 1

Met 1	Leu	Ser	Leu	Thr 5	Trp	Gly	Met	Arg	Leu 10	Val	Glu	Arg	Pro	Val 15	Val
Pro	Arg	Val	Leu	Leu	Leu	Leu	Phe	Ala 25	Leu	Trp	Leu	Leu	Leu	Leu	Val
Pro	Val	Trp 35	Cys	Ser	Gln	Gly	His 40	Pro	Thr	Trp	Arg	Tyr 45	Ile	Ser	Ser
Glu	Val	Val	Ile	Pro	Arg	Lys 55	Glu	Ile	Tyr	His 60	Thr	Lys	Gly	Leu	Gln
Ala 65	Gln	Arg	Leu	Leu	Ser	Tyr 70	Ser	Leu	Arg	Phe 75	Arg	Gly	Gln	Arg	His
Ile	Ile	His	Leu	Arg	Arg	Lys 85	Thr	Leu	Ile	Trp 90	Pro	Arg	His	Leu	Leu
Leu	Thr	Thr	Gln	Asp	Asp	Gln	Gly	Ala 105	Leu	Gln	Met	Glu	Tyr 110	Pro	Phe
Phe	Pro	Val	Asp	Cys	Tyr	Tyr	Ile 120	Gly	Tyr	Leu	Glu	Gly 125	Ile	Leu	Gln
Ser	Met	Val	Thr	Val	Asp	Thr	Cys 135	Tyr	Gly	Gly	Leu	Ser 140	Gly	Val	Ile
Lys 145	Leu	Asp	Asn	Leu	Thr	Tyr 150	Glu	Ile	Lys	Pro	Leu	Asn 155	Asp	Ser	Gln
Ser	Phe	Glu	His	Leu	Val	Ser 165	Gln	Ile	Val	Ser 170	Glu	Ser	Asp 175	Asp	Thr
Gly	Pro	Met	Asn	Ala	Trp	Lys	His 185	Trp	Ser	His	Asn	Thr 190	Gly	Ser	Pro
Ser	Ser	Arg	Leu	Glu	Tyr	Ala 200	Asp	Gly	Ala	Pro	Arg	Leu 205	Ser	Ser	Lys
Asn	Tyr	Ala	Thr	His	Pro	Ala 215	Ala	Ile	Lys	Gly	His 220	Phe	Gln	Ala	Thr
His	Ser	Val	Tyr	Ser	Ala	Ser	Gly	Gly	Asp	Lys	Leu	Ser	Ser	Thr	Val

225					230				235				240		
Glu	Tyr	Leu	Phe	Lys	Val	Ile	Ser	Leu	Met	Asp	Thr	Tyr	Leu	Thr	Asn
				245					250				255		
Leu	His	Met	Arg	Tyr	Tyr	Val	Phe	Leu	Met	Thr	Val	Tyr	Thr	Glu	Ala
			260					265					270		
Asp	Pro	Phe	Ser	Gln	Asp	Phe	Arg	Val	Pro	Gly	Gly	Gln	Ala	His	Thr
		275					280					285			
Phe	Tyr	Glu	Arg	Val	Phe	Tyr	Ala	His	Phe	Arg	Pro	Asp	Ala	Gly	Ala
	290					295					300				
Ile	Ile	Asn	Lys	Asn	Ser	Pro	Gly	Asp	Asp	Ala	Val	Asn	Pro	Ala	Glu
305					310					315					320
Arg	Ser	Ile	Cys	Ser	Pro	Ser	Ala	Leu	Ile	Cys	Leu	Gly	Gln	His	Gly
			325						330					335	
Arg	Asn	Pro	Leu	Phe	Leu	Ser	Ile	Ile	Ile	Thr	Asn	Arg	Val	Gly	Arg
			340					345					350		
Ser	Leu	Gly	Leu	Lys	His	Asp	Glu	Gly	Tyr	Cys	Ile	Cys	Gln	Arg	Arg
		355					360					365			
Asn	Thr	Cys	Ile	Met	Phe	Lys	Asn	Pro	Gln	Leu	Thr	Asp	Ala	Phe	Ser
	370					375					380				
Asn	Cys	Ser	Leu	Ala	Glu	Ile	Ser	Asn	Ile	Leu	Asn	Thr	Pro	Asp	Leu
385					390					395					400
Met	Pro	Cys	Leu	Phe	Tyr	Asp	Arg	His	Val	Tyr	Tyr	Asn	Thr	Ser	Leu
				405					410					415	
Thr	Tyr	Lys	Phe	Cys	Gly	Asn	Phe	Lys	Val	Asp	Asn	Asn	Glu	Gln	Cys
			420					425					430		
Asp	Cys	Gly	Ser	Gln	Lys	Ala	Cys	Tyr	Ser	Asp	Pro	Cys	Cys	Gly	Asn
		435					440					445			
Asp	Cys	Arg	Leu	Thr	Pro	Gly	Ser	Ile	Cys	Asp	Lys	Glu	Leu	Cys	Cys
	450					455					460				
Ala	Asn	Cys	Thr	Tyr	Ser	Pro	Ser	Gly	Thr	Leu	Cys	Arg	Pro	Ile	Gln
465					470					475					480
Asn	Ile	Cys	Asp	Leu	Pro	Glu	Tyr	Cys	Ser	Gly	Ser	Lys	Phe	Ile	Cys
			485						490					495	
Pro	Asp	Asp	Thr	Tyr	Leu	Gln	Asp	Gly	Thr	Pro	Cys	Ser	Glu	Glu	Gly
		500						505					510		
Tyr	Cys	Tyr	Lys	Gly	Asn	Cys	Thr	Asp	Arg	Asn	Ile	Gln	Cys	Met	Glu
		515					520					525			
Ile	Phe	Gly	Val	Ser	Ala	Lys	Asn	Ala	Asn	Ile	Lys	Cys	Tyr	Asp	Ile
	530					535						540			
Asn	Lys	Gln	Arg	Phe	Arg	Phe	Gly	His	Cys	Thr	Arg	Ala	Glu	Glu	Ser
545					550					555					560
Leu	Thr	Phe	Asn	Ala	Cys	Ala	Asp	Gln	Asp	Lys	Leu	Cys	Gly	Arg	Leu
			565						570					575	
Gln	Cys	Thr	Asn	Val	Thr	Asn	Leu	Pro	Phe	Leu	Gln	Glu	His	Val	Ser
			580				585						590		
Phe	His	Gln	Ser	Val	Ile	Ser	Gly	Val	Thr	Cys	Phe	Gly	Leu	Asp	Glu
		595					600					605			
His	Arg	Gly	Thr	Glu	Thr	Ala	Asp	Ala	Gly	Leu	Val	Arg	His	Gly	Thr
	610					615					620				
Pro	Cys	Ser	Arg	Gly	Lys	Phe	Cys	Asp	Arg	Gly	Ala	Cys	Asn	Gly	Ser
625					630					635					640
Leu	Ser	Arg	Leu	Gly	Tyr	Asp	Cys	Thr	Pro	Glu	Lys	Cys	Asn	Phe	Arg
			645						650					655	
Gly	Val	Cys	Asn	Asn	Arg	Arg	Asn	Cys	His	Cys	His	Phe	Gly	Trp	Ser
			660				665					670			
Pro	Pro	Lys	Cys	Lys	Glu	Glu	Gly	His	Ser	Gly	Ser	Ile	Asp	Ser	Gly
		675					680					685			
Ser	Pro	Pro	Val	Gln	Arg	Arg	Ile	Ile	Lys	Gln	Asn	Leu	Glu	Pro	Val

690		695		700
Val Tyr Leu Arg Ile Leu Phe Gly Arg Ile Tyr Phe Leu Phe Val Ala				
705		710		720
Leu Leu Phe Gly Ile Ala Thr Arg Val Gly Val Thr Lys Ile Phe Arg				
	725		730	735
Phe Glu Asp Leu Gln Ala Ala Leu Arg Ser Trp Gln Glu Gln Ala Lys				
	740	745		750
Asp Lys				

<210> 2
 <211> 756
 <212> PRT
 <213> Mus musculus

<400> 2

Met Leu Ser Leu Thr Trp Gly Met Arg Leu Val Glu Arg Pro Val Val				
1	5	10	15	
Pro Arg Val Leu Leu Leu Phe Ala Leu Trp Leu Leu Leu Val				
	20	25	30	
Pro Val Trp Cys Ser Gln Gly His Pro Thr Trp Arg Tyr Ile Ser Ser				
	35	40	45	
Glu Val Val Ile Pro Arg Lys Glu Ile Tyr His Thr Lys Gly Leu Gln				
	50	55	60	
Ala Gln Arg Leu Leu Ser Tyr Ser Leu His Phe Arg Gly Gln Arg His				
65	70	75	80	
Ile Ile His Leu Arg Arg Lys Thr Leu Ile Trp Pro Arg His Leu Leu				
	85	90	95	
Leu Thr Thr Gln Asp Asp Gln Gly Ala Leu Gln Met Asp Tyr Pro Phe				
	100	105	110	
Phe Pro Val Asp Cys Tyr Tyr Ile Gly Tyr Leu Glu Gly Ile Pro Gln				
	115	120	125	
Ser Met Val Thr Val Asp Thr Cys Tyr Gly Gly Leu Ser Gly Val Met				
	130	135	140	
Lys Leu Asp Asp Leu Thr Tyr Glu Ile Lys Pro Leu Asn Asp Ser Gln				
145	150	155	160	
Ser Phe Glu His Leu Val Ser Gln Ile Val Ser Glu Ser Asp Asp Thr				
	165	170	175	
Gly Pro Met Asn Ala Trp Lys His Trp Ser His Asn Thr Gly Ser Pro				
	180	185	190	
Ser Ser Arg Leu Glu Tyr Ala Asp Gly Ala Pro Arg Ile Ser Ser Lys				
	195	200	205	
Asn Tyr Ala Thr His Pro Ala Ala Ile Lys Gly His Phe Gln Ala Thr				
	210	215	220	
Asn Ser Val Tyr Asn Ser Ala Ala Gly Asp Lys Leu Ser Ser Thr Val				
225	230	235	240	
Gly Tyr Leu Phe Gln Val Ile Ser Leu Met Asp Thr Tyr Leu Thr Asn				
	245	250	255	
Leu His Met Arg Tyr Tyr Val Phe Leu Met Thr Val Tyr Thr Asn Ser				
	260	265	270	
Asp Pro Phe Arg Leu Glu Phe Ala Val Pro Gly Gly Ser Ala Tyr Asn				
	275	280	285	
Tyr Tyr Val Ser Val Phe Tyr Asn Lys Phe Lys Pro Asp Ala Gly Val				
	290	295	300	
Leu Leu Asn Lys Tyr Gly Pro Gln Asp Asn Gln Val Asn Pro Ala Glu				
305	310	315	320	
Arg Ser Ile Cys Ser Ser Leu Ala Leu Ile Cys Ile Gly Lys Tyr Asp				

Arg	Asn	Pro	Leu	Phe	Leu	Ser	Pro	Ile	Ile	Thr	Asn	Arg	Val	Gly	Arg
			340					345					350		
Ser	Leu	Gly	Leu	Lys	Tyr	Asp	Glu	Gly	Tyr	Cys	Val	Cys	Gln	Arg	Arg
		355					360					365			
Asn	Thr	Cys	Ile	Met	Phe	Arg	His	Pro	Gln	Leu	Thr	Asp	Ala	Phe	Ser
	370					375					380				
Asn	Cys	Ser	Leu	Ala	Glu	Ile	Ser	Asn	Ile	Leu	Asn	Thr	Pro	Gly	Leu
385					390					395					400
Met	Pro	Cys	Leu	Phe	Tyr	Asp	Arg	His	Val	Tyr	Tyr	Asn	Thr	Ser	Leu
			405						410					415	
Thr	Tyr	Lys	Phe	Cys	Gly	Asn	Phe	Lys	Val	Asp	Asn	Asp	Glu	Gln	Cys
		420						425					430		
Asp	Cys	Gly	Ser	Gln	Lys	Ala	Cys	Tyr	Ser	Asp	Pro	Cys	Cys	Gly	Asn
		435					440					445			
Asp	Cys	Arg	Leu	Thr	Pro	Gly	Ser	Ile	Cys	Asp	Lys	Glu	Leu	Cys	Cys
	450					455					460				
Ala	Asn	Cys	Thr	Tyr	Ser	Pro	Ser	Gly	Thr	Leu	Cys	Arg	Pro	Ile	Gln
465					470					475					480
Asn	Ile	Cys	Asp	Leu	Pro	Glu	Tyr	Cys	Asn	Gly	Thr	Lys	Tyr	Ile	Cys
			485						490					495	
Pro	Asp	Asp	Thr	Tyr	Leu	Gln	Asp	Gly	Thr	Pro	Cys	Ser	Glu	Asp	Gly
		500						505					510		
Tyr	Cys	Tyr	Lys	Gly	Asn	Cys	Thr	Asp	Arg	Asn	Ile	Gln	Cys	Met	Glu
		515					520					525			
Ile	Phe	Gly	Val	Ser	Ala	Lys	Asn	Ala	Asn	Ile	Lys	Cys	Tyr	Asp	Ile
	530					535					540				
Asn	Lys	Gln	Arg	Phe	Arg	Phe	Gly	His	Cys	Thr	Arg	Ala	Glu	Glu	Ser
545					550					555					560
Leu	Thr	Phe	Asn	Ala	Cys	Ala	Asp	Gln	Asp	Lys	Leu	Cys	Gly	Arg	Leu
			565						570					575	
Gln	Cys	Thr	Asn	Val	Thr	Asn	Leu	Pro	Tyr	Leu	Gln	Glu	His	Val	Ser
		580						585					590		
Phe	His	Gln	Ser	Ile	Ile	Ser	Gly	Phe	Thr	Cys	Phe	Gly	Leu	Asp	Glu
	595						600					605			
His	Arg	Gly	Thr	Glu	Thr	Thr	Asp	Ala	Gly	Met	Val	Arg	His	Gly	Thr
	610					615					620				
Pro	Cys	Ser	Lys	Ser	Lys	Phe	Cys	Asp	Gln	Gly	Ala	Cys	Ser	Gly	Ser
625					630					635					640
Leu	Ser	His	Leu	Gly	Tyr	Asp	Cys	Thr	Pro	Glu	Lys	Cys	Ser	Phe	Arg
			645						650					655	
Gly	Val	Cys	Asn	Asn	His	Arg	Asn	Cys	His	Cys	His	Phe	Gly	Trp	Lys
		660						665					670		
Pro	Pro	Glu	Cys	Lys	Glu	Glu	Gly	Leu	Ser	Gly	Ser	Ile	Asp	Ser	Gly
		675					680					685			
Ser	Pro	Pro	Val	Gln	Arg	His	Thr	Ile	Lys	Gln	Lys	Gln	Glu	Pro	Val
	690					695					700				
Val	Tyr	Leu	Arg	Ile	Leu	Phe	Gly	Arg	Ile	Tyr	Phe	Leu	Phe	Val	Ala
705					710					715					720
Leu	Leu	Phe	Gly	Ile	Ala	Thr	Arg	Val	Gly	Val	Thr	Lys	Ile	Phe	Arg
			725						730					735	
Phe	Glu	Asp	Leu	Gln	Ala	Thr	Leu	Arg	Ser	Gly	Gln	Gly	Pro	Ala	Arg
			740					745					750		
Asp	Lys	Pro	Lys												
			755												

<210> 3

<211> 16790

<212> DNA

<213> *Mus musculus*

<400> 3

```
taactataac ggtcctaagg tagcgagggga tgacagattc tctgttcagt gcaactcaggg 60
tctgcctcca cgagaatcac catgcccttt ctcaagactg tgttctgtgc agtgccctgt 120
cagtggaaat ctggagagca tgcctccatg agcttgtgag tagtatatct agtaagccat 180
ggctttgtgt taatgggtgat gttctacata ccagttctct ggcttaataa tgagggtgatg 240
attctatggt cctgtaacgc ttctcaact gggtcctaag tctttcttca ctccatctat 300
ttctctaagg aatgatcctg aaaatcccat cacaaactat aggagatggg aaccatcaaa 360
aaacacagtg acaagaggt gggaacgcac cagggttcag gaaccatatt ttaaaaagat 420
atcgtaataa acttcttaaa agagatatag acaaactctc attaatacgg agaccagagg 480
cctaaggcta agaaccaatg gtggctcaag gtctcctgct acccgaggag caaacgtaga 540
gcagtttcta atgatttatt taaaatatag aatcaaaagt accagtttgc aattttgaaa 600
gatttatttc agcaatgcaa caacatcagg tgggtgccgag tccaacacgt cttatgtccc 660
atgatataaa caaaggccat ccagaactgt ggactggagt tctaccttgt cccctaata 720
cattcagatt ttttttccat tctctttatc ttagaggaga caggggggcta actcatttta 780
cttgtccttt gcttgttctt gccagaacg taaagcagct tgcaagtctt caaacctaaa 840
tatcttagta actcctacac gagtggcaat gccaaagagc agtgcaaca agaggaagta 900
aatacgacca aagagtattc ttaaatacac tactggctct aggttctggt ttattatgcg 960
cctttgaacc ggagggggacc caactgtctat gctcccactg tgtccctctt ctttgcaact 1020
tgaggggctc caaccaaact ggcaatggca attccgacga ttgttacaca ctctctgaa 1080
attgcatttt tctgggggtg agtcataacc caaacgagat aaacttccat tgcaagctcc 1140
tcgatcacag aacttaccac ttgaacacgg ggtaccatgt ctaccaatc cagcatctgc 1200
tgtttctgtc ccacgatgtt catcaagccc aaagcaggta accccagaga taaccgattg 1260
atggaatgaa acatgttctt gcaaaaatgg aagattgggt acattgggtac actgcaacct 1320
tccacacagc ttgtcctgat cagcacaagc attgaatgtg aggttttct ctgctctagt 1380
acaatgccca aatcgaaacc gttgtttggt gatgtcatag cacttaatat tagcattctt 1440
agcacttaca ccaaagattt ccattgcatt tatgttgcga tcagtgcagt tacttttata 1500
gcagtaaccc tctctgagc atgggtgtcc cctctgga taagtgtcat ctgggcaaat 1560
gaacttagag ccactacagt actctggaag atcacatatg ttctggatag gtctgcagag 1620
tgtcccagaa ggactgtaag tgcaatttgc acagcataat tctttatcac aaatgctacc 1680
aggtgttaac ctgcaatcat ttccacagca gggatctgaa taacatgct tttgggagcc 1740
acagtcacac tgctcattgt tatctacttt gaagtttcca caaaacttat aagtcaatga 1800
tgtattataa taaacatgac ggtcatagaa aagacatggc atcagatcag gagtattaag 1860
tatgttgctt atctctgcaa gggaacaatt gctgaaagca tctgttaatt gaggattttt 1920
gaacatgatg caggtgttcc ttctctggca gatacagtac cctcatcat gttttaggcc 1980
taaactcctt ccaacacgat tggttattat aatagataaa aataaaggat ttcgaccatg 2040
ttgaccaaga caaattatgg ctgagggaga acatatactc ctctcagctg gattaacagc 2100
atcatctctt ggcgaattct tgttaattat agctcctgca tcaggcctaa aatgagcata 2160
aaatactctc tcatagaaag tatgagcctg cctcctgga actcgaaaat cttgtgaaa 2220
tggtatagcc tcggtataca cagtcatgag aaagacatag taaccgatat gaagattggt 2280
cagatagggtg tccattaaac taatgacttt aaacaaatac tcaacagtag atgaaagttt 2340
gtcacctcca gaagcactat atacagaatg ggttgcttga aagtggcctt ttatagcagc 2400
tggtatgtga gcgtaattct tactagatag tctgggagct ccactctgat attccaatct 2460
ggaggaggga gaacctgtat tatggctcca gtgcttccat gcattcatag gccctgtgtc 2520
atcagactca gatactatct gagaaacaag gtgttcaaag ctctgtgaat cattgagggg 2580
tttgatttca taggtaagggt tatccaactt tatgacctt gacagggccc cataacaagt 2640
atccacagtg accatggatt gcaggatccc ctccaggtag ccaatatagt aacaatctac 2700
aggaaaaaag gggtaactca tctgtaaggc tcttgggtca tcttgagttg tcagcaacaa 2760
gtgtctgggc caaatgagtg tctttctcgg caggtggatg atatgtctct ggccccgaaa 2820
acgcaagcta tacgagagca gtctttgtgc ttgaagtctt ttggtatggt agatctcctt 2880
ccgaggaata accacctcgg atgagatgta acgccaagtg ggatggcctt gagaacacca 2940
gactggaacc aggaggagca gccagagtgc aaatagcaag aggaggacc tggggaccac 3000
aggtctttcc actagcctca tgccccaggt cagagataac atcctgggtg gagctaactc 3060
cctctgtctg ggccactgcc tgggtctagaa aatactgaca gaggactaaa aacctcctca 3120
ggctcccaac ctaagtgggt acccagacaa ctggaggttag gtaacagtca ctgggtgtgg 3180
```

caggaattga	gtctgaatgt	gttagctgag	ggtgaggtta	aatattgtca	aaagggatgt	3240
ctataaatgt	gcctggacaa	gaaaagtcag	aagcagcaag	gagtgtctct	gacaggctca	3300
atcctttctt	ttcttttttt	gaagttcaaa	atatcatttc	cacgtgaatg	tatttggttc	3360
ccagtgtgac	tctgggtctc	tttctaggag	tcaatatctc	tttatatctt	ggctcatgtt	3420
tttcacagtt	gttctaactt	cttgttttgt	tttgtttggt	tgtttgtttg	aaagttagaa	3480
gtaaatactg	tctatattag	ccttttagct	ataaatgatt	gtttttatct	cttctaatac	3540
tgttttgttt	gagttttggt	taaaactattt	acaaatgagt	tttttttttc	cttttgggtg	3600
ttgctcgaaa	gtttggagct	ttctgttaat	attgtgttgt	tgtttctcca	atattattag	3660
acctgagaa	tctacctggg	tacctgtgaa	ctccagaatt	tttaaaaaat	ccatctcttg	3720
ggaacattat	ctctgacccc	gtctgaggcc	gaagtggctg	tccccctcca	acctttagta	3780
tctttctttc	ctgactattg	ggattttctt	aagcaatcag	gctgatgggt	tctcagcagt	3840
gagaccagta	gaactgtcgt	atgaacgtcg	aagagtctgc	cacacactcc	gggttcatca	3900
acagtgcctt	cgcgtctctt	actttttag	aaggaaatgc	agcctctgag	ttttctccaa	3960
gaaatcattg	atgaaagggg	gaaaagatgg	gtatcaccgc	gagttcatga	caagccctgg	4020
ctcagacacg	tgagcaaggt	ctacagcccc	aaagataggc	tgccctgcaa	catgtattta	4080
taagatagga	gaaaaaaatg	ggtagttaga	gggttgatca	acttacttcc	tctcaaacat	4140
atatactctc	tctaagtgtg	caggggaaaa	ctctgtagaa	ctactgggat	acctgtctac	4200
ccccaggagc	ctcatgaata	agtctctgct	tctgccttgt	agccatgagc	attactgcac	4260
ctgatacccc	tgacagcttc	tagggaagag	ggaggaagtg	acttggcccc	tgctctggtt	4320
aggtaagagg	agataaatcc	cttctcattg	attaggggtg	gaggggtcat	gtgctctatc	4380
attggtgacc	cagttgggac	atgggtttat	accaaagtca	tcactctgag	gttctgtgta	4440
ccaccaggtc	gaactcccat	atcctacatg	gacataggac	aacaccaagc	agaaggagggt	4500
tttaggacta	aactgaagga	cagagatgcg	gtttctaaac	aactagggag	tgccaggggc	4560
agcctctcta	accactatag	gacactgtgg	agtctgggtt	caaagagaga	ttactcaagg	4620
tccttagcac	tgattacaga	gcatactctc	gatgccttct	gctgaccaga	tgatatcttg	4680
cataatctgc	ctatccagat	tcagaaaatt	gatgccacat	agccaagtgg	actttcagga	4740
acagacgatt	taaaaacagg	cagagagatg	tgagagaaa	gagaaggaga	gagagaaggg	4800
agagggagag	aagagagagg	gagacggaga	aggaaagagg	gagaaggaga	aggagagaag	4860
gggcatggac	agagggaggg	acagaaggag	agaggagata	gagaggggga	taaggaagaa	4920
gggagggagg	gagagagaga	gaaggctaag	tctttccata	cctgggtccc	aatacctctt	4980
ataacccaag	cacatggttt	cacatatcac	aatgcggttg	ggatatagat	aactgtgaat	5040
acttgtgaaa	ataatggggc	tgagatctgg	ggttttcatg	atagtttcaa	agtcaccgta	5100
ctgactaaaa	ccttccactg	gcccatctcc	agcttcctaa	tctgagggta	tcaaatttcc	5160
cactaagtgt	gttttagaaa	atctccacct	ttttgccttt	gtcttccagt	gccccacctt	5220
cgtttctggt	tcccacatct	gatgtcttct	cagtgtattc	ggccttgcct	gctccacagc	5280
tacaaacccc	ttcctataat	gagctctgtg	ctgagccatc	atcctgaatc	aatccacctt	5340
aagcagatgt	tttgcttatt	tttctgtgtg	ccatactaca	gaggaaagggt	aggrcatgtag	5400
aagctgaagc	atctcacctc	attccaagca	ccctcagctc	ctaaatgtgc	ccccttggtt	5460
ccagaagtgc	aacctcaagc	atcttttatt	cattcatctt	agagggccac	atgtgctgta	5520
gtgttataag	atgaaattta	aagcattaat	tattcctaac	aagccaatta	aacaagccaa	5580
aaacattcat	cagtcattcc	catggaacct	ctgaagcatc	ttcctgctct	aaccttgggt	5640
tttccagggc	tgctctggga	tcacaggagc	tgtcctgtct	accagccata	taaaggcaga	5700
cctatcagaa	ttacaccaga	cttctcacca	tagactataa	aagccagaat	atcctggaca	5760
gatgttatat	agaaactaag	agaacacaaa	tgccagccca	ggctactata	cccagcaaaa	5820
ctctcaatta	ccatcgatga	agaaaccaag	atattccatt	acaagtccaa	atttacacaa	5880
tatctttcca	taaatccagc	cctacaaagg	atagcagatg	gaaaactcca	acacaggtag	5940
gaaaactaca	ccctagaaa	agcactaaag	taatcatctt	tcaacacact	caaaagaaga	6000
taaccacaca	aacataattc	cacctctaac	aacaaaaata	aagtaggcaa	caatcactat	6060
tccttaatat	ctcttttaac	atcaatggac	tcaattctcc	aataaaaaa	catagactaa	6120
cagactgaat	acataaacag	gacacagcat	tttgotgcat	aaagcaaaca	cagcgttact	6180
tttttttttt	taaatgacat	tttttattag	atattgtctt	tattgacatt	tcaaatgtta	6240
tccccctttc	tggttttacc	cttgaaaatc	ccatctcctc	ccccctcccc	ctgctcacca	6300
atccaccac	tcccacttcc	agccctggc	aatccccct	atgttggcat	agagccttca	6360
caggaccaag	gtactctcct	tgcattgatg	accaactagt	ccattctctg	ctacaaatgc	6420
agctagatct	atgagtccca	ccatgttttc	ttttgttggt	ggtttcatgc	cagggagctc	6480
ttggagtact	gattgggttc	tattgttggt	ctccctatgg	ggttacaaaa	cccttcaact	6540
tcttgggtcc	tttctctggc	tgctcatttg	gggaccttgt	gcgaagtcca	atggatgact	6600
gtgagcatcc	acttctgtat	ttgccaggca	ctggcagagc	ctctcagaag	acagctatat	6660

caagatcctg	gcagcaagct	cttgttggtg	tccacaaaag	tgtctgggtg	ttgtctatgg	6720
gatggatccc	caaaggggca	gtctctggat	ggctattcct	tcagtctctg	ttccacactt	6780
tgtctcttta	actccttcca	tgactatctt	attcctcctt	ctaagaagga	ccgaagtatt	6840
catacttttg	tcttctctct	tgaaattcat	gtgttttggt	aattgtatct	ttgatattcc	6900
gaacttcttg	gctaataatc	acttatcagt	gagtgaatat	catgtgtgtt	cttatgtgat	6960
tgagttacct	cactcaggat	gatatacctc	agaaccatcc	atctgtctaa	gaattttaatg	7020
aattcattgt	ttttaatagc	tgaggagtag	tccattgtgt	aaatgtacca	cattttctgt	7080
acccattgtt	ctcttgaggg	acatctgggt	tctttaagc	ttctggacat	taaatataag	7140
gctgctatgg	aaatagtggg	gaatgtgtcc	ttattacatg	ttggagcatc	ttctgggtat	7200
atgcccagga	gtgctattgc	tggatcctct	gatagtacta	tgtccaattt	tctgaggaa	7260
tgccaaactg	atttacagag	tgggtgtacc	agcttgcaat	tccaccagca	atggagaaat	7320
gttccccctc	ctccacatcc	tcaccaacat	ctgctgtcac	ctcaatttgt	tcttagtgat	7380
tcagacaggt	gtgaggtgga	atatcagggg	tgtttggcat	ttccttgatg	actagtata	7440
ttgaaaaaaa	ttttaagtgt	ttctcagcca	ttcagtatcc	ttcagttgag	aattcactgt	7500
ttagctctgt	actcaggttt	ttttaatagg	gttatttggt	ttcttgaggt	ctaactctt	7560
gaattctttc	tatatattgg	atattagccc	tctgtcatat	ttaggattgg	taaagatctt	7620
tcccaatatg	tlggtgtcct	ttttgtgtcc	tttgccctac	agaacctttt	taattttatg	7680
aggtcccat	tgctaattct	tcattttaca	gcacaagcca	ttggtgttct	gttcaaaaat	7740
ctttccctct	gaacctatc	ttcgaggatc	ttccccactt	tctcctctat	aagtttcagt	7800
gtctctatta	ttgtgtctg	gggtaccgaa	gttctatctc	cgaagtctct	attctctaga	7860
aagtataagga	acttctcgcg	cgtctggcct	ccgagccctc	cgcgcggggt	tttggcgctt	7920
cccgcgggcg	ccccctcct	cacggcgagc	gctgccacgt	cagacgaagg	gcgcagcgag	7980
cgtctctgac	cttcgcgccg	gacgctcagg	acagcggccc	gctgctcata	agactcggcc	8040
ttagaacccc	agtatcagca	gaaggacatt	ttaggacggg	acttgggtga	ctctagggca	8100
ctgggtttct	ttccagagag	cggaaacagc	gaggaaaagt	agtcctctct	cggcgattct	8160
gcggagggat	ctcgtgggg	cgggtgaacg	cgatgattat	ataaggacgc	gccgggtgtg	8220
gcacagctag	ttccgtcgca	gccgggattt	gggtcgcggt	tcttgtttgt	ggatcgctgt	8280
gatcgtcact	tggtagtag	cgggtgtctg	ggctggccgg	ggctttctgt	gcgcgcgggc	8340
cgctcgggtg	gacggaagcg	tgtggagaga	ccgccaaagg	ctgtagtctg	ggctccgcgag	8400
caaggttgcc	ctgaactggg	ggttgggggg	agcgcagcaa	aatggcggtt	gttcccgagt	8460
cttgaatgga	agacgcttct	gagggcggtt	gtgaggtcgt	tgaacaagg	tgggggggcat	8520
ggtggggcg	aagaacccaa	ggtcttgagg	ccttcgctaa	tgcgggaaag	ctcttattct	8580
ggtgagatgg	gctggggcac	catctgggga	ccttgacgtg	aagtttgtca	ctgactggag	8640
aactcgggtt	gtcgtctgtt	gcggggggcg	cagttatggc	ggtgcggttg	ggcagtgac	8700
ccgtaccttt	gggagcgcg	gcctctgtcg	tgtcgtgacg	tcacctgttc	tgttggttta	8760
taatgcaggg	tggggccacc	tgcgggtagg	tgtgcggtag	gcttttctcc	gtcgcaggac	8820
gcaggggttc	gycctagggg	aggtctctct	gaatcgacag	gcgccggacc	tctggtgagg	8880
ggagggataa	gtgagggcgt	agtttctttg	gtcggtttta	tgtacctatc	ttcttaagta	8940
gctgaagctc	cgtttttgaa	ctatgcgctc	ggggttggtg	agtgtgtttt	gtgaagtttt	9000
ttaggcacct	tttgaaatgt	aatcattttg	gtcaatatgt	aattttcagt	gttagactag	9060
taaattgtcc	gctaaattct	ggcgtttttt	ggcttttttg	ttagacgtcc	tagattggga	9120
acccgggtct	ctcgaattgt	tgacaattaa	tcctcgcat	agtatacgg	catagtataa	9180
tacgacaagg	tgaggaacta	aaacctgaaa	aagcctgaac	tcaccgcgac	gtctgtcgag	9240
aagtttctga	tcgaaaagtt	cgacagcgct	tccgacctga	tgcagctctc	ggagggcgaa	9300
gaatctctgt	ctttcagctt	cgatgtagga	gggcgtggat	atgtcctgcg	ggtaaatagc	9360
tgcgcgatg	gtttctacaa	agatcgttat	gtttatcggc	actttgcac	ggcgcgcctc	9420
ccgattccgg	aagtgccttg	cattggggaa	ttcagcgaga	gcctgacctt	ttgcatctcc	9480
cgcggtgcac	aggggtgtac	gttgcaagac	ctgcctgaaa	ccgaactgcc	cgtgttctct	9540
cagccggctg	cggaggccat	ggatgcgac	gctgcggccg	atcttagcca	gacgagcggt	9600
ttcgcccat	tcggaccgca	aggaatcggg	caatacacta	catggcggtg	tttcatatgc	9660
gcgattgctg	atccccatgt	gtatcactgg	caaactgtga	tggacgacac	cgtcagtcgg	9720
tccgtcgcgc	aggctctcga	tgagctgatg	ctttgggccc	aggactgccc	cgaagtcggg	9780
caactcgtgc	cgcgggattt	cggctccaac	aatgtcctga	cggacaatgg	cgcataaca	9840
gcgggtcattg	actggagcga	ggcgatgttc	ggggattccc	aatacgaggt	cgccaacatc	9900
ttcttctgga	ggcgtgtgtt	ggcttgtatg	gagcagcaga	cgcgctactt	cgagcggagg	9960
catccggagc	ttgcaggatc	gcgcgggctc	cgggcgtata	tgtccgcgat	tggctttgac	10020
caactctatc	agagcttggg	tgacggcaat	ttcgatgatg	cagcttgggc	gcagggtcga	10080
tgcgacgcaa	tcgtccgatc	cggagccggg	actgtcgggc	gtacacaaat	cgcgccgaga	10140

agcgcgggccc	tctggaccga	tggtctgtgta	gaagtactcgc	ccgatagtgg	aaaccgacgc	10200
cccagcactc	gtccgagggc	aaaggaatag	ggggatccgc	tgtaagtctg	cagaaattga	10260
tgatctatta	aacaataaag	atgtccacta	aaatggaagt	ttttcctgtc	atactttgtt	10320
aagaaggggtg	agaacagagt	acctacattt	tgaatggaag	gattggagct	acgggggtgg	10380
gggtgggggtg	ggattagata	aatgcctgct	ctttactgaa	ggctctttac	tattgcttta	10440
tgataatgtt	tcatagtgtg	atatcataat	ttaaacaagc	aaaaccaa	taagggccag	10500
ctcattcctc	ccactcatga	tctatagatc	tatagatctc	tcgtgggac	attgtttttc	10560
tcttgattcc	cactttgtgg	ttctaagtac	tgtggtttcc	aaatgtgtca	gtttcatagc	10620
ctgaagaacg	agatcagcag	cctctgttcc	acatacactt	cattctcagt	attgttttgc	10680
caagttctaa	ttccatcaga	cctcgacctg	cagccccctg	agaagtccct	attccgaagt	10740
tcctattctc	tagaaagtat	aggaacttcc	taggggttaa	acccgcgggtg	gagctctgat	10800
gtggggaacgc	ttcagtgttc	aggaaccata	tgattttatt	aaaatataga	atcaaaagta	10860
ccaatttgca	gttttgaaag	atttattcca	gtgtaagcat	tagcaatgca	ccaacatcag	10920
gtgattttctg	aatccaacac	gtcttatgtc	ctcatgatat	taaaaaaaaa	aaaaggccat	10980
ccagaactgt	gaacttgagt	tctaccttgt	tcctactga	cattcagatt	ttcttttttg	11040
cattctcttt	atcttacagg	agacaggagg	ggagggtctaa	ctcattttac	tttggcttgt	11100
cccttgctgg	tccttgccca	gaacgtaaag	tagcttgcaa	gtcttcaaat	ctaaaaatct	11160
tagtaactcc	tacacgagtg	gcaatgccaa	agagcagtgc	aacaaagagg	aagtaaatac	11220
gaccaaagag	tattcttaaa	tacaccaactg	gctcttgttt	ttgttttatt	gtgtgccttt	11280
gaactggagg	ggacctactg	tctatgctcc	cacttagtcc	ctcttctttg	cactctggag	11340
gcttccaacc	aaaatgacaa	tggaatttcc	gatgattgtt	acacactcct	ctaaaactgc	11400
atttttctgg	ggtgcagtca	taaccocaa	gagataaact	tccactgcaa	gctccttgat	11460
cacagaactt	acttttggag	cagggggtac	catgtctcac	cattccagca	tctgttgttt	11520
ctgtcccacg	atgttcatca	agcccaaagc	aggtaaacc	agagataatc	gattgatgga	11580
atgaaacatg	ttcttgcaaa	tatggaagat	tggtgacatt	ggtacactgc	aaccttccac	11640
acagcttgct	ctgatcagca	caagcattga	atgtgaggct	ttcttctgct	ctagtacaat	11700
gccccaatcg	aaaccgttgt	ttgttgatgt	catagcactt	aatattagca	ttcttagcac	11760
ttacaccaa	gatttccatg	cattgtatgt	tgcgatcagt	gcagttacct	ttatagcagt	11820
aacctatctt	tgagcatggt	gtcccatctt	gcagataagt	gtcatctggg	caaagtattt	11880
tagtcccat	acagtactct	ggaagatcac	atatgttctg	gataggctctg	cagagtgtcc	11940
cagaaggact	gtaagtgcaa	tttgcacagc	ataattcttt	atcacaaatg	ctaccaggtg	12000
ttaaactgca	attatataca	cagcagggat	ctgaataaca	tgctttttgg	gagccacagt	12060
cacactgctc	atcgttatct	actttgaagt	ttccacaaaa	cttataagtc	aatgtatgtt	12120
tataataaac	atgacggtca	tagaaaagac	atggcatcag	accaggagta	ttaagtattg	12180
tgcttatctc	tgcaagggaa	caattgctga	aagcatctgt	taattgagga	tgtctgaaca	12240
taatgcagg	gttcttcttc	tggcagacac	agtacccttc	atcatatttt	aagcctaaac	12300
tccttccaac	acgattgggt	attataggag	ataaaaaata	aggatttctga	tcatattttac	12360
caatacaaat	taggggctaag	gaagaacata	tactcctctc	agctggatta	acctgggtat	12420
cttgtggccc	atacttatta	agtaaaaactc	ctgcatcagg	cttaaatlta	ttataaaaaga	12480
ctgacacata	gtaattataa	gccgaccctc	ctggaactgc	aaactcaagt	cgaaatggat	12540
cagaatttgt	gtacacagtc	atgagaaaga	catagtaccg	catatgaaga	ttggtcagat	12600
agggtgtccat	taaactaatg	acttgaaaca	aatacccaac	agtagatgaa	agtttgtcac	12660
ctgcagcaga	attatataca	gaattgggtg	cttgaaagtg	gccttttata	gcagctggat	12720
gtgtagcgta	gttcttacta	gatattcttg	gagctccatc	tgcatattcc	aatctggagg	12780
aggggagaacc	tgtattatgg	ctccagtgtc	tccatgcatt	cataggccct	gtgtcatcag	12840
actcagatac	tatctgagaa	acaagggtgt	caaagctctg	tgaatcattg	aggggtttga	12900
tttcataggt	aaggctcatc	aacttcatga	cccttgacag	gccccataa	caagtatcca	12960
cagtgaccat	ggattgtggg	atccctccca	ggtagccaat	atagtaacaa	tctacaggaa	13020
aaaaggggta	atccatctgt	aaggctcctt	ggtcatcttg	agttgtcagc	aacaagtgtc	13080
tggggccaaat	gagtgtcttt	ctccgcagg	ggatgatatg	tctctggccc	cgaaaatgca	13140
agctatatga	gagcagctct	tgtgcttgaa	gtcctttgg	atggtagatc	tccttccgag	13200
gaataaccac	ctccgatgag	atgtaacgcc	aagtaggatg	gccttgagaa	caccagactg	13260
gaaccaggag	cgcagccag	agtgcacata	gcagaggag	gacctgggg	accacaggtc	13320
tttccactag	cctcatgccc	caggtcagag	ataacatcct	gggtggagct	aaatccctct	13380
gctgtggcca	ctgcctggtc	tagaaaaaac	tgacagagga	ctaaaaacct	cctcaggctc	13440
ccaacctaa	tggttaccca	gacaactgga	gttaggtaac	agtcactggg	tgtggcagga	13500
attgagtctg	aatgtgttag	ctgaggttga	ggttaaata	tgtcaaaagg	gatgtctata	13560
aatgtgctctg	gacaagaaaa	gtcagaagca	gcaaggagt	tctctgacag	gctcaatcct	13620

ttcttttctt	tttttgaagt	tcaaaatato	atttccacgt	gaatgtat	ggttcccagt	13680
gtgactctgg	gtctctttct	aggagtcagt	atttctttat	atcttggtct	atgtttctca	13740
cagttgttct	aattttctgt	tttgttttgt	ttgtttgttt	gaacgttagt	agtaaatact	13800
gtctatatta	gccttttagc	tataaatgat	tgtttttatt	tctttctaac	atattttgtt	13860
tgagttttgg	ttaaactatt	tacaaatgag	tttttttttt	ttccttttgg	gtgttgctcg	13920
aaagtttgga	gclttctgtt	aatatttgtt	tgttattttt	ccaatattat	tagacctgag	13980
aattctatct	gggtacctgt	gaactctaga	atttttataa	attccatctc	ttgggaacat	14040
tacctctgac	cccgtctgag	gccgaagtgg	ctgtccccct	ccaaccttta	gtatctttct	14100
ttcctgacta	ttgggatttc	ttcaagcaat	caggctgatg	ggttctcagc	agtgaagacca	14160
gtagactgcc	ggtaggaacg	tgaagagac	tgccacacac	tccaggttca	tcaacagtgc	14220
tttcgctctc	cttacttttg	tagaaggaaa	agcagctctc	gagttatctc	caagaaatca	14280
ttaatgaaag	agttaaaaga	tggtatcac	ccggaagttc	tgacaagccc	tggtctagac	14340
acgtgagcaa	ggctacagc	cccaaagata	ggctgccctg	caacatgtat	ttataagata	14400
gaagaaaaaa	atgggtgggt	ggaggggtga	tcaacttact	tcctctcaaa	catatatact	14460
tcactaagt	gtgcagggga	aaactctgta	ggactactgg	gattgttatt	atcattatta	14520
ttattattat	tattattatt	attattatta	ttattattaa	cttaaggcat	tttattagat	14580
attttcttca	tttagttttc	aaatgttatt	cccgaacctc	cctatactct	ctccctgccc	14640
tgctcccaa	cccacccact	cctacatcct	ggccttgcca	ttccctata	ctgtggcaga	14700
tgatctctgt	aagaccaaga	gcctttctct	ccattgatgg	cctactaggg	tatctctctt	14760
tacatatgca	actagagtc	cagctctggg	gaggtattgc	ttagttcata	ttgtttttcc	14820
tcctataggg	ttgcagatcc	ctttagctcc	ttgggtactt	tcctagctct	ctccattggg	14880
ggcctgtgt	tccatccaat	agatgactgt	gagcatccac	ttctgtat	gccaggtatt	14940
ggcatggatc	ttactgcacc	ttctgaactc	tctaagcagc	tttctgggtc	acctccagga	15000
gcctcatgaa	taagtctctg	cttccccctt	gtggctatga	gcattactgc	acctgataca	15060
ccctgcagct	tcctagggaa	gagggaggaa	gtggcttggc	ccctgtctgg	ttaaggtaag	15120
aggagataaa	tcccttctca	tgaattaggg	tgagaagggg	catgtgctct	atcattgggtg	15180
accaacttgg	ggacatgggc	ttatacagtc	atcactctga	ggctctgtgt	accaccagac	15240
tgaactccca	tatcctacat	gcacatagga	caacaccaag	tagaaggagg	ttttaggact	15300
aaactgaagg	acagagatgg	ggtttctaaa	caactagggg	gtgccagggc	cagcctctct	15360
aaccactata	ggacactatg	gagtctgggt	acaaagagag	attactcaag	gtccttagca	15420
ctgattacag	agcactatct	agatgccttc	tgctgaccag	atgtatcttt	gcataatctg	15480
cctatccaga	ttcagaaaat	tgatgccaca	tagccaagtg	gactttcagg	aacagacgat	15540
ttaaaaacag	gcagagagat	gtgagagaaa	ggagaaggag	agagagaagg	gagaggagga	15600
gaagagagag	ggagacggag	aaggaaagag	ggagaaggag	aaggagagaa	ggggcatgga	15660
cagagggagg	gacagaagga	gagaggagat	agagaggggg	ataaggaaga	aaggaggagg	15720
ggagagagag	agaaggctaa	gtctttccat	acctgggtcc	caatacctct	tataacccaa	15780
gcacatgggt	tcagatatca	caatgcgggt	gggatataga	taactgtaaa	tacttgtgaa	15840
aataatgggg	ctgagatctg	gggttttcat	galagtttca	aagtcactgt	actgactaaa	15900
accttccact	ggcccatctc	cagcttggtt	atctgagggg	atcaaatttc	ccactaagtg	15960
tgtttagaaa	gatctccacc	tttttgccct	agtcttccag	tgccccacct	acgttcttgt	16020
ctcccacatc	tgatgtcttc	tcagtgatcc	tggtccctgc	tgctccacag	ctacaaaccc	16080
cttctataaa	tgagctctgt	gctgagccat	catcctgaat	caatccacct	taagcagatg	16140
ttttgcttat	ttttcctgtg	tccatactac	agaggaaggg	taggcatgta	gaagctgagg	16200
catctcatct	cactotaagc	acctcagtc	tctaaatgtg	cccccttgtt	tccagcagtt	16260
cagcctcaag	catctttttt	tactcgtct	tagagggaca	catgtgctgt	agtgttataa	16320
gatgaaattt	aaagcatttag	ttattcccaa	caagccaatt	aaacaagcca	aaaacattca	16380
tcagtcattc	ccatggaacc	tctgaagcat	cttctgtctc	taaccttgag	tttcttaggg	16440
ctgctgtggg	atcacaggag	ctgtcctggt	taccagccta	tcctgtccca	cgggattcag	16500
ttattagtg	gtgcgagggg	gaccgcaaac	ctggaagaaa	atgggattgg	aagagaaaag	16560
agaaacgaag	accaagtaga	tcttttctca	tcaaggtctt	cgtttattag	gctgaggtgc	16620
ctggtgtaaa	gcattgcctg	cggggaatag	gaaggggtcg	agggggaatt	ttacaaagaa	16680
caaagaagcg	ggcatctgct	gacatgaggg	ccgaagtcag	gctccaggca	gcgggagctc	16740
caccgcgggtg	gcgccatttc	attacctctt	tctccgcacc	cgacatagat		16790

<210> 4
<211> 872

<212> DNA

<213> Homo sapiens

<400> 4

```
gcaggattta gggcttggtc tctcagcatc ccacacttgt acagctgatg tggcatctgt 60
gttttctttc tcatcgtaga tcaggctttg agctgtgaaa taccctgcct catgcatatg 120
caaataacct gaggtcttct gagataaata tagatatatt ggtgccctga gagcatcaca 180
taacaaccac attcctcctc taaagaagcc cctgggagca cagctcatca ccatggactg 240
gacctggagg ttctctcttg tggtaggcagc agctacaggt aaggggcttc ctagtcttaa 300
ggctgaggaa gggatcctgg tttagttaaa gaggatttta ttcacccctg tgctctctcc 360
acaggtgtcc agtcccaggt gcagctgggt cagtctgggg ctgaggtgaa gaagcctggg 420
tcctcggtga aggtctcctg caaggcttct ggaggcacct tcagcagcta tgctatcagc 480
tgggtgcgac agggccctgg acaagggtctt gagtggatgg gagggatcat ccctatcttt 540
ggtacagcaa actacgcaca gaagttccag ggcagagtca cgattaccgc ggacgaatcc 600
acgagcacag cctacatgga gctgagcagc ctgagatctg aggacacggc cgtgtattac 660
tgtgcgagag acacagtgtg aaaaccacaca tcttgagagt gtcagaaacc ctgagggaga 720
aggcagctgt gccgggctga ggagatgaca gggtttatta ggtttaaggc tgtttacaaa 780
atgggttata tatttgagaa aaaaagaaca gtagaaacaa gtacatactc ctctaatttt 840
aagataatta ttccattcaa gagtctgaat at 872
```

<210> 5

<211> 118

<212> PRT

<213> Homo sapiens

<400> 5

```
Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly
 1          5          10          15
Gly Val Gln Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys
          20          25          30
Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr
          35          40          45
Phe Ser Ser Tyr Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly
          50          55          60
Leu Glu Trp Met Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr
65          70          75          80
Ala Gln Lys Phe Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr
          85          90          95
Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala
          100          105          110
Val Tyr Tyr Cys Ala Arg
          115
```

<210> 6

<211> 99294

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic

<400> 6

```
aagcttatct ctctgttgcg cagactcatc taggaatttc agaaatttct gttctagcat 60
ctctccagc ttttgtctcc aacctcatt ctctcttttc tttttttttt taaattatat 120
gttctctgtc tttttaaaaa actttttaaa attaggtatt tatgtcattt acatttccaa 180
tgctatccca aaagtccac ccacgtccc caaccacta tcccaccac ccactccac 240
ttcttggccc tggcattcac agtgactga gacatataaa gtttgcaaa ccaatgggcc 300
```

tctctttcca	ctgatggcgg	actagggccat	cttctgatac	atatgcagct	agagacacga	360
gattctgggg	gtactgggta	gttcatattg	ttgttccacc	tataggggtg	cagatccctt	420
tagctccttg	ggtactttct	ctagctcctc	cattgggggc	cctgtgatcc	atccaatagc	480
tgactgtgag	catccacttc	tgtgtttgct	aggccccaga	tagtctcaca	agagacagct	540
atatctgggt	cctttcagca	aaatcttgct	agtgtatgca	acggtgtcag	agtttggaag	600
ctgattatgg	gatggatccc	cggatatggc	attctctagt	tggttccatcc	ttttgtctca	660
gctccaaact	ttgtctctgt	aactccttcc	atgggtgttt	tgttcccagt	tctaaggagg	720
ggcaaagtat	ccacactttg	gtcttcattc	ttcttgagtt	tcagtgtgtt	tgcaaattgt	780
atcttatatc	ttgggtattc	taagtttctg	ggctaataatc	cacttatcag	tgagtacaca	840
ttgtgtgagt	tcttttgtga	ttgggttacc	tcactcagta	tgatgccctc	cagggtccatc	900
catttgccca	ggaatttcat	aaattcattc	tttttaatag	ctcagtagta	ctccattgtg	960
tagatgtacc	acattttctg	tattcattcc	tctgttgagg	ggcatctggg	ttctttccag	1020
cttctggcta	ttataaataa	ggctgctatg	aacatagtgg	agcatgtgac	cttcttaccg	1080
gttgggacat	cttctggata	tatgcccagg	agaggtattg	ctggatcttc	cggtagtact	1140
atgtccaatt	ttctgaggaa	ctgacaaaact	gatttccaga	gtgggttagta	ccagcttgca	1200
atcccaccaa	caatgagagg	agtgttcgtc	tttctccaca	tcctcaccag	catgctgctg	1260
tcacctgaat	ttttgatgct	tagccattct	gactggtgtg	aggtggaatc	tcagggttgt	1320
tttgatttgt	atttccctga	tgattaaagga	tgtgaaacat	tttctcaggt	gcttctcagc	1380
cattcagtat	tcttttaggtg	agaattcttt	gtttagctct	aagccccatt	tttttaattg	1440
ggttatttga	ttttctggag	tcacacctct	tgagtttttt	tttccatttt	ttattacata	1500
atttccctcaa	ttacatttcc	aatgctatcc	caaaagtccc	ccataccctc	cccccccaa	1560
ttccctaccc	accccttccc	attttttttg	ccctggcgtt	ccctgtact	ggggcatata	1620
aagtttgtgt	gtccaatggg	cttctctttc	cagtgalggc	tgactaggcc	atcttttgat	1680
acatatgcag	ctagagtcaa	gagctcccgg	gtactgggta	gttcataatg	ttgttccacc	1740
tataggggtg	cagatccctt	tagcttcttg	ggtaclttct	ctagctcctc	cattggggagc	1800
cctgtgatcc	atccaatagc	tgactgtgag	catccacttc	tgtgtttgct	aggccccggc	1860
atagtctcac	aagagacagc	tacatctggg	tccttttgat	aaaatcttgc	tagtgtatgc	1920
aagggtgtca	gcatttggaa	gctgattatg	gggtggatcc	ctggatatgg	cagtctctac	1980
atgggtccatc	cttttgtctc	agctccaaac	ttgtctctg	taacttcttc	catgagtgtt	2040
ttgttcccaa	ttctaaggag	gggcataagt	tcacacttc	attcttcatt	cttcttgagt	2100
ttcatgtgtt	tagcaaattg	tatcttatat	cttgggtatc	ctaggttttg	ggctaataatc	2160
cacttatcag	tgagtacata	ttgtgtgagt	tcctttgtaa	atgtgttacc	tcactcagga	2220
tgacgccctc	cagggtccatc	catttggcta	ggaatttcat	aaattcattc	tttttaatag	2280
ctgagtagta	ctccatttgt	taaattgtacc	acattttctg	tactcattcc	tctgttgagg	2340
ggcatctggg	ttctttatag	gttctggcta	ttataaataa	ggttgctatg	aacatagtgg	2400
agcatgtgtc	cttcttaccg	gttgagacat	cttctggata	tatgcccagg	cagaggtattg	2460
ctggatcctc	cggtagtact	atgtccaatt	ttctgaggaa	ctgccagact	gatttccaga	2520
gtggtgttac	aagcctgcac	tctcaccaac	aatggaggag	tgttctctct	tctccacatc	2580
cacgccagca	tctgctgtca	cctgaatttt	tgatcttagc	cattctgact	ggtgtgaggt	2640
ggaatctcag	ggttgttttg	atttgcattt	ccctgatgat	taaggatgtt	gaacattttt	2700
ttcaggtgct	tctctgccat	tcggtattcc	tcaggtgaga	attcttttgt	cagttctgag	2760
ccccattttt	taatggggtt	atttgatttt	ctgaagtcca	ccttcttgag	ttctttatat	2820
atgttggata	tlagtccctt	atctgattta	cgataggtaa	agatcccttc	ccaatctgtt	2880
ggtggtcttt	ttctcttatt	gacggtgtct	tttgcttgc	agaaactttg	gagtgaagtc	2940
tttatatata	ttggatatta	gtccctatc	tgalltagga	taggtaaaga	tcctttccca	3000
atctgttgg	gacctttttg	tcttattgac	ggtgtctttt	gccttgacga	atctttgcaa	3060
ttttatgagg	tcgcatttgt	caattctcga	tcttacagca	caagtcattg	ctgttctgtt	3120
cagggaatttt	tcctctgtgc	ccatatcttc	gaggctttta	cctgctttct	cctctatatg	3180
tttgagtgtc	tctgggttaa	tgtggagttc	cttaatccac	ttagatttga	ccttagtaca	3240
aggagatagg	aatggatcaa	ttcgcattct	tctacatgat	aaocgctagt	tgtgccagca	3300
ccatttgttg	ataatgctgt	cttttttcca	ctggatgggt	tttgcctcct	tgtctaagat	3360
caagtgaacca	taggtgtgtg	ggttcatttc	tgggtcttca	attctatttc	attggtctac	3420
ttgtctgttg	ttataaccagt	accatgcaga	ttttatcaca	attgctctgt	agtagagttt	3480
taggtcaggc	atggtgatta	caccagaggt	tttttttata	cttgagcaga	gtttttgcta	3540
tcctagggtt	tgtgttattt	cagatgaatt	tgcagattgc	cctttccagt	tcgttgaaga	3600
attgagttgg	aattttgatg	gggattgcat	tgaatctgta	gattgctttg	gcaatatagc	3660
catttttact	atattgatcc	tgccaatcca	tgagcatggg	agatctttcc	atcttctcaa	3720
atcttcttta	atcttcttct	tcagagactt	gaagttcttg	tcatacagat	ctttcacttc	3780

cttagttaga	gtcacgctaa	ggatattttat	attattttgtg	actattgaga	aggggtgttgt	3840
ttccctaatt	tctttctcag	cctgttttato	ccttgtgtac	agaaaagcca	ttgacttgtg	3900
ttagttaato	tcatatccag	ctacttcact	gaagcgggtt	atcaggttta	ggagttctct	3960
gggtgaat	ttagggtcac	tcatatatac	tatcatatca	tctgcaaaaa	gtgacatttt	4020
gacttcttcc	tttccaattt	gtatccccct	gatctccctt	tgttgtcgaa	ttgctctggc	4080
aaggacatca	agtactatat	tgaataggta	gggagaaaat	cggcacccct	gtctagtcct	4140
tgattttagt	aggattgctt	caagttttctc	accatttact	ttgatgttgg	ctactgggtt	4200
gctgttgaat	gctttttatc	atgttttaggt	atgggccttg	aattcctgat	ctttccaaga	4260
cttttatcat	gaaagggtgt	tggattttgt	caaagtcttt	ctccagcctt	tcattctgag	4320
gttgtgtctg	tctttttccc	tgagatgggt	ttcctgtaag	cagcaaaatg	ttgggtcctg	4380
tttgtgtatg	cctgtgttta	ttctatgtct	ttttattggg	gagttgagtc	cattgatatt	4440
aagatatatt	aaggaaaagt	aattgttgc	tcctattatt	tttgttttta	aagttggcat	4500
tctgttcttg	tggctgtctt	cttttaggtt	tgttgaagga	ttcctttctt	gctttttcta	4560
ggctgtgggt	tccatccttg	tattcatttt	ttttctgtta	ttatcctttg	aaggactgga	4620
ttcatggata	gataatgtgt	gaatttgggt	ttgtcttggg	atacttttgt	ttctccatct	4680
acggtaattg	agagtttggc	tgggtatagt	agcctgggct	ggcaattgtg	ttgtcttagt	4740
gtctatataa	tgtctgtcca	ggatcttctg	gctttcatag	tctgtgggtg	aaaatctggt	4800
gtaattctga	taggcttgcc	tttataatgt	acttgaattt	ttcacttact	gcttttaata	4860
ttctttcttt	atttagtgca	tttgtttgtc	tgattattat	gtgtcgggag	gaatttcttt	4920
tctgggtccag	tctatttggg	gttctgtagg	cttctgtgat	gttcacgggc	atctcttctt	4980
ttaggtttgg	gaagttttct	tctataattt	tgttgaagat	atttgcctgg	ccttcaagtt	5040
gaaaatgttc	attctcatct	actcctatta	ttcgtatggg	tggctctctc	attgtgtcct	5100
ggatttctctg	gatgttttga	gttaggatct	ttttgcattt	tccattttct	ttgattgttg	5160
tgcagatgtt	ctctatggaa	tcttctgcac	ctgatattct	ctcttccatc	tcttgtagtc	5220
tgttgcctgat	gctcgcctct	atgggtccag	atttctttcc	tagggtttct	atctccagtg	5280
ttgccccact	ttgggttttc	tgtatagtgt	ctacttccct	ttttagatct	agtatgggtt	5340
tgttcatttc	catcacctgt	ttgggtgtgt	tttctgtgtt	ttctttaaag	acttgcaact	5400
ctttagcaga	gttctcctgt	atttaagtga	gttattaaag	tccttcttga	tgtccagtac	5460
cataattgtg	agatatgcct	ttaaatccaa	gtctaggttt	ttgggtgtgt	tgggggtgcc	5520
tggactggct	gagttgggag	tgcctgcattc	tgatgatggg	gagtggtctt	ggtttctgtc	5580
agtaagattc	ttacatctgc	ctttcgccat	ctggtaactc	ctggagtcag	ttgtttaaagt	5640
tgtctctggg	taaagcttgt	tctctctgtg	attctgttat	tctcttccag	cagacctggg	5700
agactagctc	tttctgtagt	ttcagtggtc	agagcactct	ctgcaggcag	gatttctctt	5760
ttcaggggaag	gtgcacagat	atctgggtgt	cagatttggc	tcctggcaga	agatgatggc	5820
ctgaaacagg	acctgtccca	gaagctgtta	gcttctgtag	tcaacactgt	cacctgtgca	5880
gactagtctc	gggtggagtc	gggaaccaag	atgtctcctg	cagatgctct	ggcattccct	5940
tctggggccg	gtgatcacct	ctcctctggc	agggaggggt	cctggtgtc	tggaaaccga	6000
aaagggggct	gcctcagaag	ctctgtgggt	actgcctgtc	ccagaagctg	ttagcttctg	6060
tagtccacac	tctcacctgt	gcagactagt	cttgggtggg	tctgggaacc	aagatgtctc	6120
cgcagatgc	tccagccatt	ctcctctttc	tgttgcctat	tttgacctat	gaaatcctgg	6180
acatatagtt	ctagtgttgc	ttgtaatctc	ttttctaagc	caagggaattt	tttttctcta	6240
gggcacaaac	ttttgagaag	acataattaa	tcaagagaat	aaatattgca	agaccaataa	6300
atgataaggt	atctattttc	ttttaaatac	tcgtgttcaa	accattcaaa	atatacctac	6360
ataaagccaa	aaagatatatt	attgtgtttc	ccatcttagt	tgagttcaag	tcaatatattt	6420
gggtgccattt	tgttgcagta	aatctctaac	acaaatatgc	ctgggcaatg	aaaacacac	6480
tcagttaata	tgaatacaga	ttgttcagat	ctaccactac	actaccatct	tcttcatcta	6540
agagacccct	tagaacttgc	agtttctoca	ggccttgtgc	ttctgcgctg	cttttcttct	6600
tcttctctct	ctacattgct	tctctcataa	acctacttct	ttttttccct	ccttctgttc	6660
catcttccct	tttatctgcc	caatcattag	ctctccttta	ttttacaaat	taagggtgtga	6720
agccgggttc	taggaaatca	cctgagtgtc	gacttgttcc	ttgttcagag	ccacgcacag	6780
gagaacagaa	ttaacatcaa	atataattat	ccccagggtc	atccacaaca	cgtgcactct	6840
ataagatgac	cacggactaa	tgtctgtctt	caattacaac	ataaacaaca	aaaacccac	6900
atatactgtg	aaacaaatcg	aactatacaa	agaatcaatg	aaaccaggag	cttgttcttt	6960
gagaaaaatc	aacaagatag	ataaacctct	agccagacta	accagagggc	acagagacag	7020
tatccaaatt	aataaagtca	gaaatgaaag	gaagacataa	caatgaaata	tatcttataa	7080
taattaatct	gtttgtagac	tattagcagt	tgaataattt	aaaatcatgt	tctacaaacg	7140
tgggaattatt	attgataatt	ttctcactgt	gcttgaaatt	agcattttct	taatgtttta	7200
cttcaaagag	ttttgtctat	tttgaaatat	ttaacatata	cttactgata	aaataatttc	7260

cctcctaaca	acactgataa	tcttttttta	agtaaactga	ttattagaca	atgtacacag	7320
atatataatg	tgtttttaaat	actctcccac	tgtcaggtgg	tatcatatag	ggcctttgaa	7380
tatatTTTTA	aatgtattat	ttgtaatat	ttatgggtctc	tcctatgctt	atctctgaaa	7440
gaatatttttg	tatgttttga	aacaattttag	tatttaacat	tagatatagg	atcctcagtt	7500
atggatagta	ttaaatatct	attaatgata	tttttaaggt	ataaaaggat	atgaatataa	7560
aagtttaaca	aatttttatgt	attattttgat	tctaaaaata	ctcaatatta	ttaatatgtt	7620
tgatgtttta	aatgcattta	aataataaaa	acatttataaa	aaataaaaatc	aagaaatgag	7680
gttctaagca	gaggtcaagg	aaaatgagga	atagaaaaat	agtaaaaatc	aatatgtcca	7740
tttattcaag	gaaagctcct	acatagacat	tgccaccagat	tagcaaatat	tatggctctc	7800
atattagttt	aagtttaggag	actatgcctta	tgttatctat	ttacattcta	agggacttag	7860
acatttgtga	atggattaca	ttataagagg	aggatgtcta	cttaagtagg	catgaacgcc	7920
tgtgcattgc	accctatgag	ttccatcagc	attccatgat	tggagtatga	agaacagcat	7980
tatagacatt	accagaacc	ttagtgggttc	tagaatgcca	agataaaaca	atctaaccctt	8040
ctggatagta	gggataaatg	ttcctatatc	atcagaattc	actgggtgcc	tgaggatgtt	8100
accctgctaa	ctgacaattc	acaggacatc	acatggattc	tgataagttg	cagaaaagag	8160
gagatgcatt	caattgggtcc	tctcctctct	aagctgcaat	attaggtgca	tccaatttgt	8220
gaacttcaat	ttagattaca	atagacatga	ataatctgaa	ttcatgtagt	acatattttt	8280
gttttaatat	gagttaccat	tgttcagaaa	attaaatata	catgatcaca	tattcctaca	8340
tagtgcgtgt	agtttttcac	atctctggga	caatattcca	aatatctcct	tcattagtga	8400
aaatatcaac	tactgtaag	cttagctaac	atgcctttgc	aggaataaga	acatcctgga	8460
ttgaaagcta	cacagggaga	tgtaaaactt	tctaagcaca	cacattctcc	atccattagg	8520
atcatgggtcc	atgagatttt	tctctctctc	ttcttcccat	taaatgcatt	tacatgcagg	8580
ttgggaaaca	gattgtgttg	cagaatacat	ttgcttgatt	tccacttctc	tctcaatgca	8640
aatattttttg	aagtgttaat	tttgcgtgtg	gtaccacagt	ggttcttctc	ctttctgttg	8700
actcctgtct	gtgaatgttc	caggaattca	cacatggaca	cacgtggggc	tgcatctgag	8760
ctccagactc	actgttgtcc	ttctgtcctc	agctgctctg	gcccaggcac	agcctcgtga	8820
attcaacaaa	gaccctgatc	tctcttgttt	acacctcatt	acaaatggga	actgttagag	8880
gtggacccaa	ctgcatttcc	atgaggaaag	cacatgagtt	tgagagggtc	gttgatgata	8940
aggtagaac	aactttaatt	cataggctga	gatatcagtc	atcacctcca	gataaacaag	9000
agccatttct	tctgcatct	gagccctgta	agcacactag	ctttaggaat	atgttactgc	9060
tgaagtccga	ttgggcaact	tcatagtata	caatagaaaa	tctacctgca	gatgagttca	9120
gaaccagcag	ggggccacaat	ggggccaaga	atccctagca	gagagatgtg	gtgtgtgtgc	9180
aggggactct	gcatectctg	tggtttcctt	tcttaactta	catgtacctg	tagtgattga	9240
catgtaacgt	ttccacgctc	aaacactgtg	aagatacttt	gctaaacact	tcaaagattt	9300
atgttttctt	gatgtgtgca	tgtgtgtatt	cttttttgtt	tttagacaca	gggtttctct	9360
gtgtagtctt	ggctgcccctg	gaactcactc	tgttagaccag	gctggcctcg	aactcagaaa	9420
tctgcctgct	tctgcctccc	aagtgtctgaa	gttaaaagaca	tgtgccacca	ttgcctggcc	9480
atgtgtgtat	tcttgatgca	ctcttctgtt	gacagataca	cagttttattt	ccataattta	9540
tttattgtga	tgggtctgca	ataatcactt	atgtacaaaat	gtttctgaag	tatatttagt	9600
tttggctcatt	tgggtgatta	tttttttctt	tctagtatat	agcatttttg	aaaggtagat	9660
attaattgta	tgtatgggaa	ggaggctgta	aattcttaata	acttagctgc	ttttgaaatt	9720
tgtcctcaat	tctatcatcc	ttgtaaccac	cttaaatcca	tctattagcc	ttgtcacaag	9780
tgagccactg	tctcaggctg	caaactctttt	tatagattag	gtcgtgatgt	tacatccaca	9840
gcctctgcac	aatgctcagg	ggtgggatat	gggatgaatt	ccctcagaca	gcattaggac	9900
ttggatctca	gcagactgat	tcttgaccca	aatgtctctt	cttctctagc	aggagtaagt	9960
ccttatctaa	gatgtactct	gctcatgaat	atgcaaatca	attgagtcta	tgggtggtaaa	10020
tatagggatg	tctacacccc	tcaaaaactt	aagatcactg	tcgtcttcac	agtcacagga	10080
gtacacagga	catcaccatg	tgttggagct	gtatcatcct	cttcctgtta	gcaacagctg	10140
cacgtaaggg	gcttacagta	gcaggcttga	ggtctggcca	tacactcatg	tgacaatgac	10200
atccactctg	tccttccctt	cacagggtgtg	cactcccagg	tcagctgca	gcagtctggg	10260
gctgagctgg	tgaggcctgg	ggcctcagtg	aagatttctc	gcaaggcttt	tggctacacc	10320
ttcaciaaac	atcatataaa	ctgggtgaag	cagaggcctg	gacagggcct	ggactggatt	10380
ggatatatta	atccttataa	tgattatact	agctacagaa	ccagaagtcc	aaggggcaagg	10440
ccacattgac	tgtagacaaa	tcttcagca	cagcctatat	ggagcttagc	agcctgacat	10500
ctgaggactc	tgcagtctat	tactgtgcaa	gacacagtgc	tacaaacaca	tcttgagtgt	10560
gtcagaaacc	ctggaggaga	agcaagcaga	gctggaatgg	agatgacaga	aagattatca	10620
tttagacttg	ctcagaaaga	gaaattttga	atgccatttt	attgcctctt	ccttacagta	10680
ctatagtgcc	tgtttttgtt	gacattttca	aactaatttc	caaagtcact	accacaattt	10740

acaatcacat	aaaaagcaag	caaggataac	attatTTTTct	gtgcttactt	gccatttata	10800
ttcttgetta	ttctcatctc	actgaggta	tattgggaca	ttaaatttct	ggggttactt	10860
tttattaaaa	atttttcatt	attcattcac	tttacatcct	tctagtcttc	ctctcacaca	10920
tgccctatcc	ctttctcttc	tgagaggatg	gagccctccc	taccctcgta	tcccttacc	10980
caggcacatc	aagtgtctgc	agtactagga	atattctctg	tcaatgctgc	cagacaaggc	11040
agacaagtta	ggggatcagg	attcacagga	aggcaacagc	ttgagggaca	gccccactg	11100
aagttattgg	tggattcaca	tgaagactga	gttgcacatc	tgctacatat	attcaggggt	11160
cctatttaca	gtcaagtag	actcttgttg	gtggtttagt	ctcttagaac	cccaagtgtc	11220
caggttagtt	gactctgtgg	gtcttctctt	ggagtctcta	tccctccag	atccctcagt	11280
tcttctccca	actcttccat	aagacaccgg	taggtccatc	caatgtttgg	ttttgggttt	11340
ttctgcactc	gcttcagtc	gctgctgggt	ggagcatctc	tgaggataat	tatgagaagc	11400
tcttatgtgc	aagcataaca	ggatatcatt	attagtgtca	gggactgggtg	cttggccatg	11460
ggatgggtct	caagtttgg	cagttatttg	gccattccca	cagtctctga	taatctttgt	11520
ccctgcattt	ctttagagaca	ggaaaaatat	tgggttgaaa	gttttgtggg	tgggttgggc	11580
tctctattgc	tccactgggc	ttctttcttg	atataggagt	ttgcctcttc	aggttccata	11640
ttcccaaagt	agtgtgtcac	actaagggtc	ctcccataca	gagggacact	cattctcttg	11700
ccacgtctct	gtccaccttc	attggacctg	aggttcctga	atcatacaga	actgcatgtg	11760
tgcaaccaca	cagaacaagg	ctatctatca	gaggcctacc	ataccaggac	catcaagggt	11820
caccttactc	ccaatactga	ctacaaaaag	aacatcaagg	accaatgcag	tctatatgga	11880
taaacacact	tgaagaaca	caaacaagat	tgagggcaac	atgacacctc	caaagcatac	11940
ctaaccgagt	acagcatgcc	ctggatatcc	taacacaatc	aaaacacaag	aaagttacct	12000
taaatccagt	cttataaagg	tgatgaaggc	ctttaaatag	gaaatgaatt	aatccttagg	12060
ataatacagg	acaatacatt	cgaacagata	gaggtcttta	ggaggaaaga	aataaatccc	12120
tcaaagacat	acatgaaaat	acaattaaac	agggtgaaagt	aataactaca	atgggtgtaag	12180
acctaaaaat	ggaaatagaa	gcaataaagt	aacacaaact	tagaatcttg	aaggtggaaa	12240
acctagagaa	caggaatact	agatgcaagg	atgatatctt	ctagggtccat	ccatttgctt	12300
gcacaatttta	tcatgtcctt	gcttttaata	gttgaacagt	atttccattgt	ttaaatgaac	12360
cacatgttct	gtctccattc	tctggatgag	ggggtgagca	agtttttcca	cattctggct	12420
attacaaata	gagctgctat	gaacctagta	gaaaacatat	cctgtgtatg	gtggagagtt	12480
ttggagtata	tcaccaagag	tgttatagct	gggtcttcat	gtagaactat	tcctaatttt	12540
ctgagaaatc	ccaagtcaga	tttctagaat	ggttgttcaa	gtgttcactc	caaccctcaa	12600
tggaggactg	ttttccttgc	cagcatgtgc	tgtattttga	gtttttgac	ctagccagtt	12660
ttatcctgca	tttcacactt	agatatggac	tatggtacag	gacagagaga	aaccaacctt	12720
ctactcacca	ggatattcta	cctgctacca	atttatttat	ttattttatt	atttatttat	12780
ttattttatt	atttatttat	attagagAAC	aacaccatgc	agtttagaag	aagtactaag	12840
acgtcagtga	tgttatactg	tgccctaact	tgcatgttac	aatctcagct	ttcaggtaag	12900
acagtgcattg	actcttatgc	agtgccaaact	gttttctgat	tgtattttatg	gtctattgcc	12960
taggaatgac	ctcctctcaa	ataaacatgg	tcaaaagccc	atggcctgag	atgacagagc	13020
ccctagtaga	ccctagtgtg	atttctgaag	tttagatata	ataatgactt	ataaatactt	13080
atgttttatac	aatagattag	agctgctctc	agccatgacc	aaggagcttc	tgtgttcaat	13140
gaataatgat	tgatgcagac	attcgtgagt	ggctcaagtg	gtgagaatga	ttagagagtc	13200
ctcagccaca	caagcgttaa	tgatatgaac	tttccaatat	attaactgta	ttaatgaata	13260
aatgcagaca	tcatatgaga	tctcattagt	agttcttagg	tattgcattt	ttatatacaa	13320
ttatgcatat	cagtacatta	tagtgtataa	aggaaattgt	ctagcataat	agagaaaaat	13380
aggacagtca	agaaacaaaa	gagtagaaat	tatgggtgaa	atatgcagtg	tgaaatatatt	13440
acatgaaaaat	tttaaccata	tgtaaaaattg	ttattttttgt	ttttcagaat	gagtttgctc	13500
attcttttgac	attttttattc	ctgtgtgaaa	tatatcagga	tcatatgtat	ccatttctga	13560
tgggtctgact	tccactggga	atttccaata	tatctcttcc	aactaactga	ccagtttctt	13620
tttttcttat	tttctctctt	tctcgttttg	ttttgctttg	ttttgttttt	caagacaggg	13680
tttctctgtg	tagctctggc	tgtcctggaa	ctcactttgt	agatcaggct	ggcttcgagc	13740
tcataaaatcc	acttgccctc	gcctcctgag	tgctgggatt	aaaggagtgg	ctaccacgcc	13800
cggttagttt	tttttttct	tataagaaca	acatttactg	gatggtcact	tacattttca	13860
gaggttctagt	caattattat	caaggcagaa	gcattggcagt	gggtccagtag	tcatggcact	13920
ggggaaggag	ctgagagatc	tacatcttgc	tccaaaggga	aagagggaata	gtctgacttc	13980
catgtgtttc	agaggagggt	ttcatttccc	acccccacag	tgacacactt	cctccaacac	14040
ggccacacct	cctaattattg	ccactcttgg	atcaagcata	ttcacaccac	aaaggaaagt	14100
ttagagataa	acattaagaa	aattaatgaa	gtcattttat	cttatatgct	caacatgact	14160
agtacttaaa	accataattt	tacatgtaca	atatttcatg	gcataacata	ttttttatat	14220

ttttattaga	tattttcttt	atttatattt	caaagtgtat	accctttccc	aattccccctc	14280
caaaaatccc	ctatgccttc	ccctcatagc	cagctcccaa	acccaccccac	tcctgcttttc	14340
tggtcctggc	attccccat	actggggcat	aaaaccttca	caggaccaag	tgctctttct	14400
ccattgatgg	ccaattaggc	catcctctgc	tacatatgca	gctagagcca	tgagttccac	14460
catgtgtttt	ctttgattgg	tggtttagtt	ccagggagct	ctgggggtat	tggttagttc	14520
atattgttcc	tcctatgggg	ctgcaaacc	tttcagcccc	ttgggtattt	tttctagctc	14580
cttcattggg	gacctgtgtc	tccatccaat	ggatgagtga	gcctccactt	ttgtatttgt	14640
caggaactgg	cagagtctct	caggagacaa	ttatatcagg	ctcctgtcag	caaaatctcg	14700
ttggcatctg	caatagtgtc	tggttttggg	ggttgtttat	gggatggatt	tctgggtggg	14760
gcagtcctcg	gattgtcatt	cttttagctc	ctgcttccac	ctttgtcttt	gtaactccat	14820
ccatgggtat	tttgttcccc	cttcaaagaa	ggatcaaaa	atccacactt	tagtcttctc	14880
tcttcttgag	tctcatgtgt	ttttcaaatt	gtatcttggg	tattctgagc	ttctaggcta	14940
atatccactt	atcagtgagt	gattatcatg	tctgttcttt	tgtgattgag	ttacctactt	15000
tagcatgata	tcctccaggt	ctatccattt	gtctaagaat	ttcataaagt	cattgtcttt	15060
aatagctgca	tcgtactcaa	ttgtgtaaat	gcaccacatt	ttctttatcc	attcctctgt	15120
tgagggacac	ttgggttttt	ccagcttctg	gttattataa	ataaggctgc	tatgaacata	15180
gtggaacatg	tgtccttagt	acatgttggg	acatcttctg	ggtatatgcc	caggagtggg	15240
attgctggat	cttctgggtg	tactatgtcc	aaatttttgg	ggaaccatca	aactgatttc	15300
ctgagtgggt	gtacaagctt	gcaatcccac	accagcaata	gtggaatggt	catctttgtc	15360
caagtccctg	ccagcatctg	ctgtcacctg	agtttttgat	cttagccatt	cttactgggt	15420
tgaggtggaa	ttttgggggt	gttttgattt	gcatttccct	gatgtttaag	ggttttgaac	15480
atttttaggt	gcttattaga	catttggtat	tcctcagttt	agaaatcttt	gtttagctct	15540
gtaccacatt	tttgaatagg	gttatttggg	ttcttgaggt	ctaacttctt	gagttctttg	15600
tacatattgg	atattagccc	tctatcagat	ttagaattag	taaggatctt	tcctccaaact	15660
gttggtgggt	cttttgtctt	attgacagtg	tactttgcct	tagagaagct	ttgcaatttt	15720
atgaggtccc	atttgtcaat	tcttgatctt	atagtacaag	ccattgggtct	tttggttcagg	15780
aatttttccc	atgtgtccat	atgttcaagg	catttcccca	ctttctccac	tacaagtttt	15840
agtgtctctg	gttttatgtg	gaggtccttg	atccacttag	atttgagctt	tgtacaagga	15900
gataagaatg	gatagattca	cattcttcta	catgctctct	gccagttgag	ctagcaccat	15960
ttggtgaaaa	tgtgtctttt	tttttcccc	actggatggt	ttttagctct	tttggccaag	16020
atcaagtgac	cattgggtgtg	tggtttcatt	tcttgggtct	caattctagt	tcactgactt	16080
acctgtttgt	cactgtacaa	ggaccatgca	gcttttttca	caattgtctc	gtagtacagc	16140
ttgaggtctg	ggatgggtgat	tctaccagag	agattctttt	actgtttgtga	ataattttttg	16200
ctatcatagg	atattttttt	atttcagatg	aatttaca	ttgtcttttc	taactctgtg	16260
aacaattgag	ttggaatttt	gattgtgatt	gctttgaata	ctcaagatat	aatttaca	16320
acacatgaaa	cttaacaagg	actactaaag	tgcagatact	tcgatccttc	ttagaagggg	16380
gaacaaaata	cccatagatg	gagttacaga	gacaaagttc	ggagcagaga	ctataggaac	16440
gaccatccag	agggtccact	ggggatccat	catgtaaaca	accacccaaa	acagacacta	16500
ttgtggatgc	caagaagaac	ttgctgacag	gagtctgata	tagctgtctc	ttgagaggct	16560
ctgccagggc	ctcagaaagt	ggaggctcac	agccatccat	tggatggagc	acaggggtccc	16620
caatgaagga	gctagagaaa	gtactcaagg	agctgaaggg	gtttgcagcc	ccataggagg	16680
aacaacaata	tgaactaacc	agtaccccca	gagctccctg	ggactaaacc	accaatcaaa	16740
gaaaacacat	ggagggactt	gaagctcttg	ctgcatttat	agcagaggat	ggcctagatg	16800
gtcatcaatg	ggaggagagg	tcaatgggtc	tggggaagggt	ccatgcccc	gtatagggga	16860
atgccagggc	caggaagcag	gagtgggtgg	gctggggatc	agggaggggg	agatgatagg	16920
gcattttcag	tggggaaact	aggaaagagg	ataacattta	aaatataaat	aaagaaaata	16980
tctaattaaa	aaggattacc	tatgtgcatg	ggagctcatg	agcagcaggg	gtcactctaa	17040
ggccaataat	ccacatagag	cgatgagctg	tgtgtgaaca	ggactctgta	tcctctgtgg	17100
tttcttttct	taagtgtatt	aactgatctg	tcagctgtg	attgacatgt	gatgtctcca	17160
tgtcraagcc	cagtaaagat	tctctgttaa	ataccttaca	gaettatggt	tacttgtttt	17220
tatttgcttt	tcataatttt	ttaaaaagtc	atacaatgta	ttctaataac	tcattctccc	17280
atctccaatt	ttttttaagt	ttttcttaac	tcactcaacc	acacactttt	taattctgat	17340
aaagcaccoc	ccccccaaa	aaaaaaccca	accaacccaa	aaaaaaaaaa	gccaagggaat	17400
ttaaaagggg	attgaaagca	aataaaaaact	aaacaaaaaa	gtaaaaacta	cacacacaca	17460
cacacacaca	cacacacaca	cacacacaca	cacacactca	cacacacaca	cacacaccac	17520
acacacacac	acccatgcac	gaacacacac	acacacacac	acacacacac	acacacacac	17580
acacacacac	acacatggaa	tcagtaaaaa	ccacaactct	tlacccatga	tacacaggaa	17640
aatataagtc	aaacaaacag	aatggaagaa	ggtgggtatta	taaaaatgtc	tgcacaaata	17700

ccattaagtt	cattttcttg	ttggctacca	actgctaagc	ctgtctccct	tgattaattg	17760
tgcttatcat	ccccatgaa	ctccattgga	ggacactaat	ttttcttct	gtctccagga	17820
attgaagtgt	tgacagaactc	tcagtagcctt	tatttacctg	cacaatacag	cctctaattcc	17880
aaccagtgaa	aattaccaca	tgagagactt	ccaaatgaaa	gaacaggtaa	agttgtctac	17940
tggcaagctt	agtaatatca	tgtaaattgcc	ttagaattta	atgacatatg	tcctcctctg	18000
aggtttaataa	atccattttg	gtgcataatat	accctgaact	caccactaac	ataatacaac	18060
aattaaaaaa	ttccaacatg	gatgcagagg	aatccctgag	ggacatttgt	tgattttgtga	18120
gcacaatata	attatttttt	gggggggaaa	tgtctgaatg	ttactcttt	accagtgata	18180
atctattcta	ttaatgtgta	cataggtagc	actaattaaa	atcactgtgt	tatcaggtaa	18240
tgaacacagag	gaagtaggat	gctgggaaac	agacttttgg	aagggtccaa	gggaaaccac	18300
agggacctag	tggtgataga	ttatggtgag	agtcctgaga	gtggtcatag	attatgcat	18360
atttcacatg	caattgaaaa	tttcaaagaa	tgaaaatcct	tatgaaatat	agaaataaca	18420
actttactta	tgtacatata	cttcatagta	caattttttac	actgtgcata	tttctcctgt	18480
aacatctggt	tcctctatt	ttcctttatt	ctcctagaca	atttcaactga	tacaatctca	18540
tgtttttgta	taaatagttg	tatataacta	ttaaatacat	aagctgttaa	tgagtcttca	18600
ttaatgtctg	tgattttttt	attgtcttaa	ttaaactat	tatctcta	tgcatccaca	18660
ttttcaaaag	caatgtaaat	ttcttactca	tttctgttca	aaaacttctg	ttgttgtatc	18720
attaccatgc	cttagtgata	aaatcctttc	ttgacacatc	tatagctatt	gctataattt	18780
agttattgat	gatcctcctg	caataatcat	tgataggtaa	atatttttaag	cacttttact	18840
tttagtcatt	ttagtgaat	ttgaagtagt	atataacctg	ttggaaaggc	aaatattaat	18900
tccatatatg	tgaagaaga	cgtataaact	aaaaacatta	gccactttta	gatattctct	18960
ccttctctct	cttctctctc	ttcttctctc	ttcttctctc	cttctctctc	ttcttctctc	19020
ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	19080
ctctctctcc	ctctctctcc	ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	19140
ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	19200
ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	19260
ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	ttcttctctc	cttctctctc	19320
ccttctctcc	cttctctctc	cttctctctc	cttctctctc	cttctctctc	aatctacaat	19380
ctgttaacat	attaacatgt	cccagagtag	agcaacagac	tcaggtcaaa	catctactga	19440
gaaatttgcc	catgtagtta	acatctacag	catctgtcta	ggggttacia	aaagtctatg	19500
ggatacaatt	cctcagaaag	gaataggatt	tggacctgag	catactgctg	cctaacacat	19560
gaaatggcag	ttcttctcca	gctggactag	gtccttaact	aagaaatgca	ctgctcatga	19620
atatgcaaat	taccacaagt	tatggcagta	aatacagaga	tgccacaccc	ctgaagacaa	19680
cctatgaaca	atgttctctc	cacagtcctc	gaagacactg	attctaggac	cgaagtctct	19740
attccgaagt	tcctattctc	tagaaagtat	aggaacttct	cgcgcgtctg	gcctccgagg	19800
cctccgcgcc	gggttttggc	gcctcccgcc	ggcgccccc	tcctcacggc	gagcgtgccc	19860
acgtcagacg	aagggcgccg	cgagcgtcct	gatccttccg	cccgagcgtc	caggacagcg	19920
gcccgcgtgt	cataagactc	ggccttagaa	ccccagtatc	agcagaagga	catttttagga	19980
cgggacttgg	gtgactctag	ggcactgggt	ttctttccag	agagcggaac	aggcgaggaa	20040
aagtagtccc	ttctcggcga	ttctcgggag	ggatctccgt	ggggcgggtga	acgcgatga	20100
ttatataagg	acgcgcggg	tgtggcacag	ctagtccgt	cgcagccggg	atttgggtcg	20160
cggttcttgt	ttgtggatcg	ctgtgatcgt	cacttgggtga	gtagcgggct	gctgggctgg	20220
cgggggcttt	cgtggccgcc	gggcccgtcg	gtgggacgga	agcgtgtgga	gagaccgcca	20280
agggctgtag	tctgggtccg	cgagcaaggt	tgcctgaac	tgggggttgg	ggggagcgca	20340
gcaaaatggc	ggctgttccc	gagtcttgaa	tgggaagacg	ttgtgaggcg	ggctgtgagg	20400
tcgttgaaac	aaggtggggg	gcatggtggg	cggcaagaac	ccaaggtctt	gaggccttcc	20460
ctaatacggg	aaagctctta	ttcgggtgag	atgggctggg	gcaccatctg	gggaccttga	20520
cgtgaagttt	gtcactgact	ggagaactcg	gtttgtcgtc	tgttgcgggg	gcggcagtta	20580
tggcggtgoc	gttgggcagt	gcaccgttac	ctttgggagc	gcgcgccctc	gtcgtgtcgt	20640
gacgtcaccc	gttctgttgg	cttataatgc	aggggtgggg	cacctgccgg	taggtgtgcg	20700
gtaggctttt	ctccgtcgca	ggacgcaggg	ttcgggccta	gggtaggctc	tcctgaatcg	20760
acaggcgccg	gacctctggt	gaggggaggg	ataagtgagg	cgtcagtttc	tttgggtcgt	20820
tttatgtacc	tatcttctta	agt.agctgaa	gctcgggttt	tgaactatgc	gctcggggtt	20880
ggcgagtgtg	tttttggaag	ttttttaggc	accttttgaa	atgtaatcat	ttgggtcaat	20940
atgtaatttt	cagtgttaga	ctagtaaatt	gtccgctaaa	ttctggccgt	ttttggcttt	21000
tttgtttagac	gtgttgacaa	ttaatcatcg	gcatagtata	tcggcatagt	ataatacgac	21060
aaggtgagga	actaaaccat	gggatcggcc	attgaacaag	atggattgca	cgcaggttct	21120
ccggccgctt	gggtggagag	gctattcggc	tatgactggg	cacaacagac	aatcggctgc	21180

tctgatgccc	ccgtgttccg	gctgtcagcg	cagggggccc	cggttctttt	tgtcaagacc	21240
gacctgtccg	gtgccctgaa	tgaactgcag	gacgaggcag	cgcggtatcc	gtggctggcc	21300
acgacggggc	ttccttgccg	agctgtgctc	gacgttgtca	ctgaagcggg	aagggaactg	21360
ctgctattgg	gcgaagtgcc	ggggcaggat	ctcctgtcat	ctcaccttgc	tccctgccag	21420
aaagtatcca	tcatggctga	tgcaatgcgg	cggttgcata	cgcttgatcc	ggctacctgc	21480
ccattcgacc	accaagcgaa	acatcgcac	gagcgagcac	gtactcggat	ggaagccggt	21540
cttgtcgatc	aggatgatct	ggacgaagag	catcaggggc	tccgcccagc	cgaactgttc	21600
gccagggtca	aggcgcgcat	gcccgcgggc	gatgatctcg	togtgaccca	tggcgatgcc	21660
tgcttgccga	atatcatggt	ggaaaatggc	cgcttttctg	gattcatcga	ctgtggccgg	21720
ctgggtgtgg	cggaccgcga	tcaggacata	gcgttggtca	cccgtgatct	tgctgaagag	21780
cttggcggcg	aatgggctga	ccgcttcctc	gtgctttacg	gtatcgccgc	tcccgtatcg	21840
cagcgcatcg	ccttctatcg	ccttcttgac	gagttcttct	gaggggatcc	gctgtaagtc	21900
tgcagaaatt	gatgatctat	taaacaataa	agatgtccac	taaaatggaa	gtttttcctg	21960
tcatactttg	ttaagaaggg	tgagaacaga	gtacctacat	tttgaatgga	aggattggag	22020
ctacgggggt	gggggtgggg	tgggattaga	taaatgcctg	ctctttactg	aaggctcttt	22080
actattgctt	tatgataatg	tttcatagtt	ggatatcata	atttaaaca	gcaaaaccaa	22140
attaaggggc	agctcattcc	tcccactcat	gatctataga	tctatagatc	tctcgtggga	22200
tcattgtttt	tctcttgatt	cccactttgt	ggttctaagt	actgtgggtt	ccaaatgtgt	22260
cagtttcata	gcctgaagaa	cgagatcagc	agcctctgtt	ccacatacac	ttcattctca	22320
gtattgtttt	gccaagtctt	aattccatca	gacctcgacc	tgcagccctt	agagaagttc	22380
ctattccgaa	gttccatatt	tctagaaagt	ataggaaact	cctaggggtt	caccggttaa	22440
atggcatgct	ccctgttagt	ggttcatgca	agcagaagct	gtatcctgtt	tgacaaagat	22500
tcagcatgaa	aggctcctgt	acctaataaa	aaatagacag	atgagattta	attaacctaa	22560
ataatttttt	tcacaacaac	agagtgaata	cgcaattttac	agaatgacag	aaaacttttg	22620
cacactttgc	ctgtgacagg	gaactaatat	gaagaatttg	caagggaactc	aaacaactct	22680
acaacaacaa	cagcaacaag	aaccaaataa	ctccgttaaa	atgagcaaa	gacatgagta	22740
gacattttca	aaagaacaca	tagaaatgga	taataaatat	ataaacaata	ctcaacatca	22800
ctaaccatca	gggaaatgca	aattaaaacc	acaataagat	atcatcttcc	accagtcaca	22860
atgactatta	ctaaaaactc	aaataatata	agatgttgct	gaggatggga	aatgaaggca	22920
actcttagag	attgttgatg	aggatgtaga	tgagtacaac	ctctgtggaa	aatgggtatg	22980
agatttccca	gaaaactaga	aatagaactg	tcattttggtc	cagcaatccc	actactgggt	23040
aactacccaa	aggaaaataa	actattattt	caaaaagata	cccacttctt	atgctttacca	23100
taaaactact	ctcaatagca	catatgtcaa	actgagtgtc	tgccaaccga	tgattttata	23160
aaagaatata	gcattgtatg	acaattcaat	actagtccgc	cacaataagg	aatgaaactg	23220
tgtctttttg	agcaagatgc	atagaagtgg	gggacaatat	aattagtga	ctaactcaca	23280
aacagaatgt	cacatgtcac	acattattac	ttgtaagtgg	gaggtaaaca	gcgtgtacac	23340
aaggattttg	agagagaaat	tacacacatt	ggagacttac	aaggatgggc	gggcagaagg	23400
tgggagcatg	atgagtcatt	acataacagg	cacaatataa	aataattaag	aattgacca	23460
tgatcttaaa	attaaaatgt	agaatatgat	caataaatga	acttgatatt	agttgacctc	23520
attaaattta	aaaacttttt	ctactcaaat	gactgtgaag	aatgaatgc	ccggttacag	23580
atgagaaact	gtttgcgagt	caaataacca	ccaatgtaac	tataataaga	aacttcagaa	23640
ctcaactgtg	aataaaaaag	aaacaactga	tggaataaatt	aggcaagggt	ttctacagac	23700
atttcgtcaa	agaagatgtg	cagatgacac	tgaagcatat	aaacaggatc	tcaacaggat	23760
tttccgttag	agaaattcaa	atcaagcccg	caaagagaca	ccactgtaca	ctttttaaaa	23820
tggctgaaat	taagaagaaa	tacagataac	atcaatgctg	gtgagcatac	caggttgcta	23880
gaggctaaaa	cattgctaac	aggaatgcaa	aatgaaacag	atactcagga	aaataatttt	23940
tagttttctc	taaaatcaaa	cataccctta	acacotgaat	atttgcatca	gagaaaaaca	24000
atcttacatt	cacgcataac	ttctattcaa	atattcaaga	tatcgtgtgt	atgtgtgtta	24060
gaaagtaaaa	ataacataaa	tgtctcaaaa	tttgaatagg	tgaagaacta	ggaagcatct	24120
ataaattgaa	taccaccagc	aataaaaaaa	taacaagtga	ccgatacata	aactattaca	24180
ggtgaactcc	agacattgtg	ctaagtgaag	gaagccagtc	tcaaagatca	aagggaacaa	24240
gctgtaagca	ccacggctcat	cctcaggtgt	cagtgggttg	ggctggactt	tctgtgtctc	24300
tttccgtgac	agaccgat	attgagctcc	accacttgca	gatggaaaat	cctattttca	24360
accatgcagt	gagggtttgaa	ctgcttcaca	gactgaacga	aacaaacacg	ggctcctttg	24420
aacagcgtcc	ggcattttgtt	ccaaccacaa	gagaacgtcc	ctcagctctc	ccacctcttc	24480
ggttctctcc	tgcaagccag	cagccctgca	gtttagcctg	catctcccgt	gcacccaccc	24540
atctccctcc	aagcaccttc	ccccacaccc	tccactgttt	ctgagagcac	aggcaggctt	24600
tgaacttttc	cgcattctgt	tgttattgaa	gttaggatgt	ttaggaccaa	cttaaggatc	24660

atatttttatg	actgaattcc	agtccccctt	ctctcctggg	acagagtgc	taaccaagtt	24720
tctgcagggtg	gagacgaagt	tgagctttttt	tcttcctcag	cctaggagat	gagcgcta	24780
tggagggttg	gcagaagctt	cccaccatcc	cagcactttg	gttctgggtg	ggcggaatcg	24840
gtgccatagg	gcagagctag	aaaccgcgga	ctgaatgttc	ccagtggcac	tggaccagg	24900
gcagagcctc	catccacgag	tggggctcta	tggaagaagt	gagtctctgg	ctctcagtag	24960
ctctcgtcca	gcactgaacc	tcagcatcat	gtgctgtgtg	cagggtcaga	gggccaacgt	25020
actggccccct	gggaaagcgt	ttcctctggg	gggagttggg	agaagggtgc	ctgtcttctt	25080
ggctgcatct	gtccgcagtg	gagttttacat	catgctgagc	tgggatgtgg	aaggaaggaa	25140
gagcatctta	gatcaaatat	gatgaactggc	cttactgagt	tttctagatt	ttcctgaata	25200
aatgtttctt	cactcactgt	gtgctgttag	agtctttcca	aacctgta	ttcccaaat	25260
aatttttca	ggtctcatga	gggcattggat	tcattgagcc	cctcatgctg	tcaaagagaa	25320
atagaactgt	ttttttttt	cacttcatag	cgaacatcca	tgggttatca	aataatgggc	25380
tggcttttct	tccaacactt	tacagacacc	atcaattttc	ttcttgctta	taagggtttta	25440
accagaagaa	tgctgtcatg	gtctttttctg	ttcttttgga	aggaatgccc	cctctactca	25500
cctccacttg	tctgctgtga	tttctatttg	tctttgggtt	tcaacaattt	taataagatt	25560
tacctaaatg	tgtgtggggg	gagcatgggg	tggtattctg	ctgttctgtg	ttctctgaga	25620
tgcattggatt	caccatttac	tctgtctcca	tttttgtgaa	aacaattaga	aaaaaagtc	25680
gtatgagccc	agaaacaagc	ctccctgaag	tgggcacagg	accacctggg	ggcgctcagg	25740
accactgaa	cacaagagcc	agccccaggg	caggtgcaga	tgcgggttaa	gttctggttt	25800
cctgtcaacc	ctgtggcttc	ctctccataa	aacagtttcc	tttgtggcat	atctctggat	25860
tccttatect	gttcttctctg	tgaagtctct	gaagaagaaa	catttgtcgt	aacaagagaa	25920
aaactttctc	acatgcacca	aaggcagagt	cacctacagt	cacttactcc	tgtttctcaa	25980
tgtcaataag	ttaccaatgc	ttctgaagtt	aatcagctaa	atctataaaa	ggtgcggtgt	26040
ttaaactcag	attacagccc	agctcaacag	aactccaaag	gtcagccagc	agcagccagg	26100
aaaaagtgc	tgctgggcat	tggggcagag	ggagttacca	tccagtgc	gagaagaaag	26160
cccccggtg	ggtcattgtc	aggactccaa	tcccacagtt	ccaattgtag	gtgatgccag	26220
gcaaaggaag	agagacccca	ccaatgggta	gtgtggatgt	cgagtttgat	gtttccacac	26280
tcacactcca	ggtgaatatg	aaaagattta	ttagctctat	ttctgagggtg	tctgctgaga	26340
gcagcacagt	cctctcaaga	aattacagat	tggaaatttcc	tcagtagagc	aggaaaggag	26400
gctggctcag	ggctttataa	tgattttggg	gtgggggtcg	cggggggggg	ggggcggttc	26460
tactcaggag	aaggagcttg	tgtgatttaa	acctcacact	gacatcacat	gagggagctt	26520
ccatgttttc	ttactagatt	tcccatgtgt	gggggacaag	gatgaggag	aataaacctt	26580
aatcatcag	catcaaggca	ccaaaaatag	gacctgacac	tttattctcc	ctagcagctt	26640
aagaaaatga	gtgaaaaaga	gagataagag	tccacccatg	tgctgaaaag	catagctctt	26700
ggtaaagagc	agaaaaaggc	actcctacga	agaaggggtt	gggcagaagc	tttatgctga	26760
aggggtttgg	taaagagaca	taatcaacag	gttacaggag	gggctactga	tgttcatgga	26820
ggtggctctc	acacatgcat	actgaacaaa	catgtctgta	acgtatgacc	cctgttccact	26880
taccagtggg	gacttagcat	ttaaattcat	tccagtcagg	ccctatgtgc	aaacagcaga	26940
agcagagaca	caaaggta	caggggtgcag	cctctgtgaa	cggccagagc	caggccatgg	27000
tcagcggtct	cggattagga	gaaagtctct	gatatacactg	tagtgttcaa	tcaaagctgg	27060
ggttatgggt	tgtggaacag	gggtcagttc	atcagggggg	gggctgcaat	tgtcttcata	27120
gtgcttgtct	cagtgcgggt	gcttactgag	ccactagaga	aaaagggtta	attgagcttc	27180
tttaaaatca	acattttgaa	ttatttatca	gacgtttcaa	atatgtcatg	ttgtttagat	27240
tctattgctg	gagagttaag	gtgatatttg	gggttttgta	actctgtttt	ttcatacttc	27300
ctgaattgct	tatctgtttg	cttttcatta	gctaaactat	cgttcttctt	tatttttttaa	27360
ttcattctga	ttttgatgaa	tatttaattc	cctttagaat	gtgaatataa	tgtacattgt	27420
gtgggtattt	tgattttggg	tcttgggtta	cttagtgcca	aagactctgt	aagagtctct	27480
tgtctataga	tagccattat	ttagtggctt	tctgaaatgg	tggttttagt	accaaagtac	27540
tggacttgtg	agtaggctca	ctgccccctg	caggtcctag	atagtggagg	cctcaggaac	27600
tgtttctcat	ttggaatgcc	tttgtttcag	cagattttgt	gttgggttgt	taagttcacc	27660
ctccacatta	gtagatgtcc	ttacagatta	gagctgactc	tggtagaagc	agttgagtgc	27720
atgcttgata	tctgtgcaca	gggagaagct	ctctgttgcc	tcaggcgatg	gactggtcta	27780
tgaaatgcac	agtgcacctg	gttccctgct	gacccccga	gaggtggacc	aagctggaca	27840
cacatgagcc	accgacctg	gcaagcaaaa	gcgccagcct	tgatggaaat	ggcgagctga	27900
gcggcatcta	ctcagtgtgg	tttcttttgt	tattaagagc	tttagtgtgg	tggctgtttc	27960
aaattcccg	tgtagtagta	atatactggg	tatgtgagca	ggccccgtgt	cttttgccgg	28020
gttggaatca	ccgaagta	gagaagctaa	tctcattttc	aactgctgta	cactgggtgt	28080
attgagtttg	tatgaggtca	tgcagtttga	acgtcaggcc	agtaggtgtg	gctcgcaggt	28140

aagagccggc	tatggtggca	gcagaaggg	ttatgcttta	ctggtgatta	aagtgggaaa	28200
cttggcgtgt	tccagatctt	agagaaaaga	tttttagtta	tttctcattc	aacctgatac	28260
tacctgaaag	tctctcgaat	gtaactttta	ttttgtcgag	atgggttctt	tctataccca	28320
ttttttatgt	ttttttgtg	aaaggatggt	gtttcatcaa	atgcgttttc	agcatcaatt	28380
gaaaaaagtt	atatgtggat	taaagatcaa	aatgtaaaac	ctaacactat	aaaacctctg	28440
gataataaca	taggaaacag	aatttaggag	gtaagaactg	acaaagggtt	tataatgaaa	28500
atgctagaag	tagttgcaac	aaaattgaaa	attgacaaat	gggacctaa	taaattaaag	28560
aacttctgt	cagcaaaaaga	cactatcgac	agagtaaaca	ggcaacctac	agaatgggaa	28620
ataaaatatt	tgcagcctat	acatctgaca	aaggtccgac	acttagtata	tacatggaaa	28680
tttaacaaac	atacaagaaa	taaaaagtga	ccaaaggaca	tgaaaagaca	cttcaaaaaa	28740
gacctacatg	tggccaacaa	gcataggaaa	aaatgctgaa	tatcactatc	attagagaaa	28800
tacatatcaa	aacctcaatg	aggtaccgtc	tcacatcagt	caggatggct	aatcttaaaa	28860
aaaaaataac	agatttttaa	ggttacagaa	aaaaggggaa	atttatacac	ttttggcggg	28920
aatataaatg	agttcaacca	ttgtggaaag	cagtgtggtg	atccctccaa	taacctaaaa	28980
cagaagtttc	atttgaccca	acaatcttac	aactggacat	atacctaaag	gaatataaac	29040
atgtagggttc	actgcagcac	tatocacaat	agcatagaca	tgggaatttac	ctaaatcccc	29100
atcactggca	gaatgataga	gaaaaatgtg	gtacatacaa	ccatggaata	ctatgcagct	29160
aaggaaagaa	tgaaactatg	tcctttgtag	gaacatgatg	gaactggcag	tcaatactct	29220
tagaaaacta	attcaggaac	agaaaaccag	atattatata	ttctccctta	tttgttggag	29280
ataaaataaa	gcaaatatct	ttccaggggc	tgagtcttcc	ttattcaaca	agtcattcta	29340
aattaagtgt	tcagcaagtt	gctgatactc	atctaaatat	tctatttcat	ctggggccact	29400
tacatcactc	aaaaagcaat	gagagctata	tttctaaggg	gggttctagg	ataataaata	29460
cctgaatagt	gagaatatga	aggatatgga	aactgggcca	cttatatcac	tcaaaaagga	29520
atgagagcta	tatttataag	gggggttcta	ggataataaa	tacctgaata	gtgagaatat	29580
gaaggatatg	gaaactgggc	cacttatatc	actcaaaaag	caatgaaagc	tatatattaca	29640
agggggggttc	taggataata	aatatctgaa	tagtgagaat	atgaaggata	tggatgggtt	29700
ttttttaact	caatgggcac	ataactgtgg	gagatactat	attcctatga	agaagggtatt	29760
cagacttcag	agataagtaa	tgtttctctc	attgtgcttg	tgacttggaa	gcagtggatt	29820
gaagagtgtg	ataagtgtcc	agaccaagca	gaacagaaat	cagcatgtaa	agatgatgat	29880
ctatggatat	gatctaaaaa	catgtaataa	cttcaataaa	ttctatttaa	tgcaagttga	29940
aataaaacac	aaacttatct	aaaatacaaa	ttacttggta	attatttttg	gagctatgag	30000
ttcaccaaga	aactcaaat	cctattttcta	tttcaacccc	tgattctctc	tgtcaatggg	30060
agggaagtct	cagaaccaat	cacacatcag	acggcaaatc	tgtcaaccaa	gagtccttcc	30120
actgaaggac	ctgggaggtc	aggacctca	ggaaagtgtc	ggggacctcg	tcttgggagt	30180
gccagcaga	tctcagaact	ctccatgggt	cctgctggac	actcatgtag	ggtaacgagt	30240
ggccaccttt	tcagtgttac	cagtgaagtc	tgagtgttcc	taatgggacc	aggatgggtc	30300
taggtgcctg	ctcaatgtca	gagacagcaa	tggctccaca	aaaaaccacg	gtaatcttta	30360
ggccaataaa	atgtgggttc	acagtggaga	gtgcatcctg	gggttgggg	ttgttctgca	30420
gcggaagag	cgctgtgcac	agaaagctta	gaaatggggc	aagagatgtc	tttctctcag	30480
caggatttag	ggcttgggtc	ctcagcatcc	cacacttgta	cagctgatgt	ggcatctgtg	30540
ttttctttct	catcctagat	caggctttga	getgtgaaat	acctgcctc	atgcatatgc	30600
aaataaacctg	aggtcttctg	agataaatat	agatatattg	gtgccctgag	agcatcacat	30660
aacaaccaca	ttctctctct	gaagaagccc	ctgggagcac	agctcatcac	catggactgg	30720
acctggaggt	tcctctttgt	ggtggcagca	gctacaggta	aggggcttcc	tagtcctaag	30780
gctgaggaag	ggatcctggt	ttagttaaag	aggattttat	tcacctctgt	gtcctctcca	30840
cagggtgtcca	gtcccagggtg	cagctggtgc	agtctggggc	tgagggtgaag	aagcctgggt	30900
cctcggtgaa	ggtctcctgc	aaggcttctg	gaggcacctt	cagcagctat	gctatcagct	30960
gggtgcgaca	ggcccttgga	caagggtctg	agtggatggg	agggatcctc	cctatctttg	31020
gtacagcaaa	ctacgcacag	aagttccagg	gcagagtcac	gattaccggg	gacaaatcca	31080
cgagcacagc	ctacatggag	ctgagcagcc	tgagatctga	ggacacggcc	gtgtattact	31140
gtgcgagaga	cacagtgtga	aaacccacat	cctgagagtg	acaaaaaccc	tgaggggagaa	31200
ggcgcttatg	ccgggctgag	gagatgacag	gggttattag	gtttaaggct	gtttacaaaa	31260
tgggtttatat	atttgagaaa	aaaagaacag	tgaaaacaag	tacataactc	aattttaaga	31320
taaataattcc	attcaagagt	cgtaatatata	gccaaattca	cagagtggaa	aaggcgcgat	31380
cgcgagagcag	gggatcctta	gatattgggt	ggggttatct	caccttaggt	ctgaatatgg	31440
ggttgtctta	gactgttttg	tgctgttaga	atagaatacc	caagactggg	aaattttatac	31500
tgaacggaaa	tttatttctc	acagttctag	aggctgtgaa	gtccaagagc	acagggtgcca	31560
gagcaagtcc	aagagcaagg	gaaagtccaa	agcaagtcca	ggagcatctg	gcgaggacct	31620

49080	49100	49120	49140	49160	49180	49200	49220	49240	49260	49280	49300	49320	49340	49360	49380	49400	49420	49440	49460	49480	49500	49520	49540	49560	49580	49600	49620	49640	49660	49680	49700	49720	49740	49760	49780	49800	49820	49840	49860	49880	49900	49920	49940	49960	49980	50000	50020	50040	50060	50080	50100	50120	50140	50160	50180	50200	50220	50240	50260	50280	50300	50320	50340	50360	50380	50400	50420	50440	50460	50480	50500	50520	50540	50560	50580	50600	50620	50640	50660	50680	50700	50720	50740	50760	50780	50800	50820	50840	50860	50880	50900	50920	50940	50960	50980	51000	51020	51040	51060	51080	51100	51120	51140	51160	51180	51200	51220	51240	51260	51280	51300	51320	51340	51360	51380	51400	51420	51440	51460	51480	51500	51520	51540	51560	51580	51600	51620	51640	51660	51680	51700	51720	51740	51760	51780	51800	51820	51840	51860	51880	51900	51920	51940	51960	51980	52000	52020	52040	52060	52080	52100	52120	52140	52160	52180	52200	52220	52240	52260	52280	52300	52320	52340	52360	52380	52400	52420	52440	52460	52480	52500
49080	49100	49120	49140	49160	49180	49200	49220	49240	49260	49280	49300	49320	49340	49360	49380	49400	49420	49440	49460	49480	49500	49520	49540	49560	49580	49600	49620	49640	49660	49680	49700	49720	49740	49760	49780	49800	49820	49840	49860	49880	49900	49920	49940	49960	49980	50000	50020	50040	50060	50080	50100	50120	50140	50160	50180	50200	50220	50240	50260	50280	50300	50320	50340	50360	50380	50400	50420	50440	50460	50480	50500	50520	50540	50560	50580	50600	50620	50640	50660	50680	50700	50720	50740	50760	50780	50800	50820	50840	50860	50880	50900	50920	50940	50960	50980	51000	51020	51040	51060	51080	51100	51120	51140	51160	51180	51200	51220	51240	51260	51280	51300	51320	51340	51360	51380	51400	51420	51440	51460	51480	51500	51520	51540	51560	51580	51600	51620	51640	51660	51680	51700	51720	51740	51760	51780	51800	51820	51840	51860	51880	51900	51920	51940	51960	51980	52000	52020	52040	52060	52080	52100	52120	52140	52160	52180	52200	52220	52240	52260	52280	52300	52320	52340	52360	52380	52400	52420	52440	52460	52480	52500
49080	49100	49120	49140	49160	49180	49200	49220	49240	49260	49280	49300	49320	49340	49360	49380	49400	49420	49440	49460	49480	49500	49520	49540	49560	49580	49600	49620	49640	49660	49680	49700	49720	49740	49760	49780	49800	49820	49840	49860	49880	49900	49920	49940	49960	49980	50000	50020	50040	50060	50080	50100	50120	50140	50160	50180	50200	50220	50240	50260	50280	50300	50320	50340	50																																																																																																											

52560 ග්‍රහලොවකට පිටතට ගොස්
 52620 පිටතට ගොස්
 52680 පිටතට ගොස්
 52740 පිටතට ගොස්
 52800 පිටතට ගොස්
 52860 පිටතට ගොස්
 52920 පිටතට ගොස්
 52980 පිටතට ගොස්
 53040 පිටතට ගොස්
 53100 පිටතට ගොස්
 53160 පිටතට ගොස්
 53220 පිටතට ගොස්
 53280 පිටතට ගොස්
 53340 පිටතට ගොස්
 53400 පිටතට ගොස්
 53460 පිටතට ගොස්
 53520 පිටතට ගොස්
 53580 පිටතට ගොස්
 53640 පිටතට ගොස්
 53700 පිටතට ගොස්
 53760 පිටතට ගොස්
 53820 පිටතට ගොස්
 53880 පිටතට ගොස්
 53940 පිටතට ගොස්
 54000 පිටතට ගොස්
 54060 පිටතට ගොස්
 54120 පිටතට ගොස්
 54180 පිටතට ගොස්
 54240 පිටතට ගොස්
 54300 පිටතට ගොස්
 54360 පිටතට ගොස්
 54420 පිටතට ගොස්
 54480 පිටතට ගොස්
 54540 පිටතට ගොස්
 54600 පිටතට ගොස්
 54660 පිටතට ගොස්
 54720 පිටතට ගොස්
 54780 පිටතට ගොස්
 54840 පිටතට ගොස්
 54900 පිටතට ගොස්
 54960 පිටතට ගොස්
 55020 පිටතට ගොස්
 55080 පිටතට ගොස්
 55140 පිටතට ගොස්
 55200 පිටතට ගොස්
 55260 පිටතට ගොස්
 55320 පිටතට ගොස්
 55380 පිටතට ගොස්
 55440 පිටතට ගොස්
 55500 පිටතට ගොස්
 55560 පිටතට ගොස්
 55620 පිටතට ගොස්
 55680 පිටතට ගොස්
 55740 පිටතට ගොස්
 55800 පිටතට ගොස්
 55860 පිටතට ගොස්
 55920 පිටතට ගොස්
 55980 පිටතට ගොස්

gggaccctgg	ccctgggtgac	ttcccactgg	gatccacccc	cgtgtccacc	tggatcaaag	73440
acccacacgc	tgtctctgtc	cctcactcag	ggcctgctga	ggggcggtg	ctttggagca	73500
gactcagggt	tagggggccac	cattgtgggg	cccaacctcg	accaggacac	agatttttct	73560
ttcctgccct	ggggcaacac	agactttggg	gtctgtgcag	ggaggacctt	ctggaaagtc	73620
accaagcaca	gagccctgac	tgagggtggtc	tcaggaagac	ccccaggagg	gggcttgtgc	73680
cccttccctc	catgtggacc	ccatgcccc	caagataggg	gcacatgca	gggcagggtc	73740
tccatgcagc	caccactagg	caactccctg	gcgcgggtcc	ccactgcgcc	tccatcccgg	73800
ctctggggat	gcagccacca	tggccacacc	aggcagcccc	ggtccagcaa	ccctgcagtg	73860
cccaagccct	tggcaggatt	cccagaggct	ggagcccacc	cctcctcatc	ccccacacc	73920
tgcacacaca	cacctacccc	ctgcccagtc	ccctccagg	aggggtggag	cgccccatag	73980
ggtgggggct	ccagggtctca	ctcactcgct	tccttctctg	ggcaaaggag	ctcgtgccc	74040
cggccccccc	tgacggcgct	gggcacaggt	gtgggtactg	ggccccaggg	ctcctccagc	74100
cccagctgcc	ctgctctccc	tgggaggcct	gggcaccacc	agaccaccag	tccagggcac	74160
agccccaggg	agccgcccac	tgccagctca	caggaagaag	ataagcttca	gacctcagg	74220
gccgggagct	gccttctctg	cacctcttcc	tgccccagac	ctccatgccc	tcccccaacc	74280
acttacacac	aagccaggga	gctgtttcca	cacagttcaa	ccccaaacca	ggacggcctg	74340
gcactcgggt	cactgccatt	tctgtctgca	ttcgtcccca	gcgccccgt	gttccctccc	74400
tcctccctcc	ttcctttctt	cctgcattgg	gttcattgcc	cagagtgcga	ggtgcaggtc	74460
agccctgagc	ttggggtcac	ctcctcactg	aaggcagcct	caggggtgcc	aggggcaggc	74520
aggggtgggg	tgaggcttcc	agctccaacc	gctccactag	ccgagactaa	ggaagtgaga	74580
ggcagccaga	aatccagacc	attccatagc	aatgggattt	cattaaagtt	accagacttc	74640
agtgtaahta	acatgagccc	catgcacaac	aatcccttat	gaaggggag	tcagtgctgc	74700
ctcggaatttc	ttgaaaaaca	caaaaactta	tcaatgcctg	taaaagttct	ttggaaagaa	74760
aatatgattc	aagaatgtta	tgcacaacaa	agctggcata	ttttctaccc	ggacacactc	74820
agggaaatgt	gtcccttgag	tgtttctctc	actgcgtaaa	tcctacgtgg	tgtttaagca	74880
tattcataaa	tgtgtatgtc	tatttttatg	tgtaagatgg	ttcattttta	ttttatttat	74940
tcaatatgta	caataaagaa	tattgacaaa	taggctggac	atggtggctc	ccacctgtaa	75000
tcccagccct	ttgggaggcc	gaggcgggca	gatcacctga	ggtctggagt	tcgagaccag	75060
cctggccaac	atgatgaaaa	cccatctcta	ctaaaaatac	aaagattagc	caggcatggt	75120
ggtgcatgcc	tgtaatccca	gccactcagg	aggctgagac	aggagaaatg	cgtgaacccg	75180
gaaggcggag	ggtgcagtga	gcccagatca	caccactgca	ctccagcctg	gcgacagagc	75240
aagattccat	ctcaaaaaaa	aaaaaagaca	aagaaatttg	tttttttgaa	taaagacaaa	75300
tttcatcaca	cgaagataaa	gatgcaaagc	tccagacagg	aaggcacgga	cagcacagtg	75360
aagcccggag	cgggcgctgg	ggggccaggg	gcacggcggg	ggtgccagcg	tctctcggtt	75420
cctaccatgg	ccactccagc	ctgtgttctc	acgaggatgg	ctgtgcaatg	ctaggagcgt	75480
gttcgaagct	ctagggcaac	cactggaagt	gaggctgagg	agcagagccc	agaggcccgt	75540
ggagctgatg	aaaagaaagc	tggagaaagt	gtttgctgcc	tcccaacatg	gtaagaaaag	75600
atagaaagag	agagcacacg	gcaaaggggag	cttgctgagg	gactctttac	aatggcttgc	75660
acagagctca	gggggtctgg	gaggctaggg	ccctgcgcag	ggcagtcacc	ccagcctgct	75720
gaccaagggt	tgctgcaggc	agctctgggg	gtggttgagg	cgcggctcct	ggagccaccc	75780
ctcaagggaa	cgaggcagca	gagtgggcca	aggcccaggt	cggctgcaag	gctgcccagg	75840
acttgggggt	cttacatcag	cagccactga	tgcagctggc	ccagagagag	gcgccagaca	75900
ggttgccctc	aggggacaaa	ccaggtcgga	gagggtgagg	cagtggatgg	agccacaaca	75960
accccgggca	cgggtgacac	gcacgttcat	gcacatctga	cccttccctc	ctcaccaaac	76020
aggccccct	gccttcccca	tggttgcgaa	aaagcaaaat	gtagacgttt	tttctttttt	76080
aattcatgtt	ttaattgaca	aatgaagccg	tatatattta	ttgtgtacaa	catgatgctt	76140
taaaatatgt	atacatcgtg	gaacagcaac	gttgagctaa	tttaacacgc	attacttcac	76200
atacttgtca	tcttttgtgg	cgagaatgct	taaaatccac	tctcttagta	ttttttaaga	76260
atgcaataca	ttgttgtcaa	ctgtggtcac	cgatcatgcat	agccaagctc	ccgacctcac	76320
cctcctgcca	gctcaggctg	tgcacccctt	caccagcatc	ccccaccccg	gcccctggcc	76380
ctggtaacta	ccactctata	ctctacgtat	gagttcagct	ttttaagatt	ccacagatga	76440
atgagatcat	acagtatttg	ctttctatgc	ctggcttatt	ttagttaaca	cactgtcctc	76500
cagatccatc	cgttggtgca	aatgacaggg	tttcatctct	tttaagttct	aaagagtatt	76560
ccattgtgtc	aattggacctc	atttgcttta	tccatgcctc	aactatggac	atttaggttg	76620
attccatttc	ttagctgttg	tggatggtgc	tgcagtaaac	atggggctgc	agatgtctct	76680
tcaacatact	gacatcatgt	cctttggata	aatacccagt	agtgggatcg	ctggatcaca	76740
atgtacagtt	ttttttttaa	tggaaacttt	catttttttg	tgaaattagg	aaaacagata	76800
aaaccacag	aatccaaaat	atatgtgaag	atgccaaaaa	cagttgacat	tgggcagagg	76860

tcacatggaa	ggaagtgaat	acatgacggg	gtgtgagggc	ccagaggcag	ctgaaatacg	76920
ctttctaaac	acaaggacct	cttctgagag	ggcagaagtt	ttatcctgca	catgcaatga	76980
ccagcacagc	taaaatacac	tttctaaaca	tgaggacctc	ttctgagagg	gcagctttat	77040
cctgcaaattg	caatgaccag	cacaggaccc	agaataaaga	gagttgccag	cggacgcctg	77100
gtgtccatgt	gtccaggtga	gttcgagatg	cggacggcgc	tggccagcca	gtcacacct	77160
aagtcaatct	gctgcatgca	tttgtccttg	ccacagcaga	aaacgagaaa	gcctttgggc	77220
tgcaaagctt	cacaggctcc	tcttctcccg	actccatgga	aacagctaca	aagagcaggc	77280
ccagtagagc	ttaattcatg	aaaatgagta	ataaacttga	actggaacag	tatcgacttt	77340
ttagaaacgg	cagcaaagtg	tataaaaaat	attcaccaga	acaatatttc	caaacgatga	77400
gatgagaatt	tcagccaagt	aatcctccat	ggatagaaaa	taatgaaggg	attggattta	77460
tgaaggaaaa	tcattggagct	caaatacaag	aaaagagaaat	caaaaatgaa	caggaggaga	77520
taaaatatgg	tttggccaaa	gttacaaaat	aaatttttta	aaaacccttc	atcatggcaa	77580
gtagaaagag	cgagaggaaa	aacagatccc	gtggaagaca	caaataggac	atggggagaa	77640
aaatgaatga	gatgaaacag	agcagaaata	aaatttttacg	gaactaaaga	caagtgatct	77700
gaacctgcct	ggggcctggg	ggacctcgcc	accttgaagg	gaaagaacat	gcctggctgg	77760
ctttgccacc	tgtcatttgc	agagccccac	agcttgcaac	aaacataggc	ggtagccagg	77820
gagtggttac	agcaggcctt	gagcaagacc	cagtgttgtg	ctgacttcag	gtctgaccca	77880
gcactgtcat	agtgggtgtg	tccatagtgg	tagtgggggt	gcttgtgtca	ctccaccccc	77940
atctccagga	ggctcagaac	agacagagag	agactccatt	tgtttgggag	aaagtaaggg	78000
atgagaacaa	gagtcctctg	ctggtaatcc	agagaattat	tctagatctt	ggccaagatt	78060
atcaaagcag	tacctctatg	agtcttttgg	gcttggagtc	ccctaaagc	agatatagct	78120
aagatcacaa	cacccaagtc	cttttgaata	tgtgggaaga	cttcccaagg	acaggagcaa	78180
acaaacaagc	ccagactgca	aaaaaacaag	ccgagactgc	aataaacacc	tcactottca	78240
atgccagggc	actgaagaac	atctcctagc	agcaacacca	tccaggaaaa	catggcctca	78300
accagtgaac	taaataaggc	accagggacc	agtctcggag	aaatagaggt	atgttatctt	78360
tcagagaatt	caaagtagct	ttgttgagga	aactcaaaga	aattcaagat	aacacagtga	78420
aggaattcag	aatcctatcc	gataaattta	acagagattg	aagcaattaa	aaagaattaa	78480
gcagaaatta	tggagctgaa	aaatgcaatt	ggcatactga	aaaatgcata	agagtatttt	78540
catagcctca	tatatcaagt	agaagaaaga	attagtgage	ttgaaaacag	gctattttgga	78600
aaagcacgat	aaaaggagac	aaaagagaaa	agaataaata	acaatgaagc	atatctacag	78660
gatctagaaa	atagcctcaa	aaggccaaat	ctaagaatta	ttagccttaa	agaggaggta	78720
gagaaagagg	gatggagagt	ttattcaaag	ggataataac	agaaaacttc	ccaaacctag	78780
agaaagatat	caatatccaa	atgcaagaag	gatgtagtac	accaaggaga	tttaatgcaa	78840
agaagactac	ctcaaggcat	tcaatactca	aactcccata	tgacaaggac	tttaaaaaaga	78900
tcttaaaagc	agcaaaagaa	aagaaatgaa	taaaatacta	tggagctcca	atatgtctgg	78960
cagcagactt	ttcagtgaag	acttttatatg	ccaggagaga	gtgtcataat	ggatttaaag	79020
tgtctgaagga	aaaaactttt	acctcgaac	agtatagctg	gtgaaattat	ccttcaaaaa	79080
tgaaggagaa	ataatttgtt	tccagacaaa	tgttgaggga	tttcatgaac	accagacctg	79140
tcttttaaga	aatgctaaag	ggagtacttc	aatcagaaag	aaacacgtta	gtgaacaata	79200
agaaatcatc	tgaaggcaca	aaactcaccg	gtaatagtaa	gtacacagaa	aaacacagaa	79260
tattataaca	ctgtaactgt	ggtgtgtaaa	ctccttttgt	ttgtttgttt	gtttgtttgt	79320
ttgtttttgt	ttttagacgg	agttttgtct	cagcccaggc	tggagtgcac	tggcaccaatc	79380
tcagctcact	gcaacttcca	cctcccggtt	tcaagcaatt	ctcctgcctc	agcctcccaa	79440
gtagctggga	ttacaggcat	gtgtaccat	gtccagctaa	ttttgtattt	tagtagagac	79500
ggtgtttcac	catgttggtc	aggctagcct	tatcttgagt	agaaaaacta	aatgatgaag	79560
caatgaaaaa	taataactac	aacttttcaa	gacatagtac	aataagatat	aaatcataac	79620
aaaaagttaa	aaggtggagg	gatgaagtta	aggcatagag	tctttattag	ttttcttttt	79680
acttgtctgt	ttatgcaaac	agtgttaagt	tgtcatcagt	ttaaaataat	gggtcataag	79740
atactatttg	caagcctcat	ggtaacgtca	aaccaaaagc	aatacaacag	atacacaaaa	79800
aacaaaaagc	aagaagctaa	attacgtcat	cagagaaaat	caccttcaat	aaaaggaaga	79860
cggagaaaag	aatgaagaga	gagaagacca	aaagcaaata	gcaatatggc	aggagtaagt	79920
ccttacttat	caataatacc	attgaatgta	atgggactaa	actctccaat	caaaagacat	79980
agagtggctg	aatcaattaa	agaaaaaaca	agaccatttg	atctgttgtc	cacaagaaac	80040
acactttatc	tataaagaca	cacatagact	gaaaacaaaag	ggatggaaaa	agatactcca	80100
cgccaatgga	aaccaaagaa	agagcaggag	tagctacact	tatatcaggc	aaaatagatt	80160
tcaagacaaa	aactataaga	agagacaagg	tcactaatga	taaacaggtc	aattcagcaa	80220
gaggatataa	caattgtaaa	tatatatgca	cccaatgctg	gagcaccag	atatataaag	80280
caagtattta	ctagagctaa	agagagaaat	agactccaat	gcaataatag	ctggagattt	80340

caacatccca	ctttcaacat	tgaacagatc	ctccagatag	aaaatcaaca	aagaaatatt	80400
ggactttaatc	tgcactatcg	accaaattgga	tctaacagat	atttacagaa	catttcatcc	80460
aacagctgca	gaacacacat	tcttttctct	agcacataga	tcattotcaa	ggatagacca	80520
tatgttgggt	cacaaaacaa	gttttaaaat	attcaaatac	attgaaataa	tatcaagcat	80580
cttctgtgac	cacaatggac	taaaactaga	aatcaataac	aagaggaatt	ttggaaacta	80640
tataaatata	tggaaattaa	tgaatgctga	gtgggtcaat	gaagcaatta	agaaggaaac	80700
tgaatttttt	cttgggaacga	atgatcatgg	aaacagaaaa	tacccaaaacc	tatgggatac	80760
agcaaaagca	gtactaagag	ggaagtttac	agctacaaat	gcttacatta	aaaaagaaga	80820
aaaacttcaa	taaaaaaacc	taacaatgca	tcttaagaa	ctagaaaagc	aagaggaaat	80880
caaattccaaa	attagtagaa	gaaaacagta	aaggtcagag	cagaaataag	taaaattgaa	80940
atgaagaaaa	caatacaaaa	gatcaataaa	acaacaggtt	gttttcttga	aaagttaaac	81000
aaaatttgaca	aaccttttagc	cagactaaga	aaaaaagaca	gaagatccaa	ataaataaaa	81060
tcagagatga	aaaagggtgac	attacaactt	acaccacaga	aattcaaagg	atcattagt	81120
gctactataa	gcaactatat	gccataaat	tggaaaatct	agaagaaatg	cagaaattcc	81180
tagacacata	caacctccca	agattaaacc	aagaagaaat	tcaaaacctg	aacagactga	81240
taacaagtaa	tgagatcaaa	gccgtaataa	aaagcctccc	agtaaagaga	agcccaggac	81300
ccgacggctt	cactgctgaa	ttctaccaa	catttaaagt	agaactaata	ccaatcctac	81360
tcaaactatt	ccaaaaaata	gaggtggaag	gaatacttca	aaactcatta	tacgaggcca	81420
gtattaacct	gacaccaaaa	ctagacaaag	acacatgaaa	aaaagaaaaac	tacaggccaa	81480
tatgtctgat	gaatattgac	acaaaaatcc	tcaacaaaat	actagcaaac	caaattcaac	81540
tacacattag	aaagttcact	catcatgacc	aagtggaatt	tatctaactt	gggatgcaaa	81600
gatgggttcaa	catatgcaaa	tcaatcaatg	tgatacatca	tatcaacaga	atgaacaaca	81660
aaaaccattt	gatcatttaa	ttgatactga	aaaagcattt	gataaaaatc	aacattcctt	81720
cataataaaa	attctcttct	atactaggta	caaaagaaac	ttacctcaac	ataataaagc	81780
catatatgac	agtcccacag	tatgatacta	aatgaggaaa	aactgagagc	ctttcctcta	81840
cgatctggaa	catgacaaag	atgccactt	tcatcactgt	tattcaacat	agtactggaa	81900
gtcctagctg	gagcgatcag	acaagagaaa	gatataaaag	acatccaaat	tggaaaggaa	81960
taagtcaa	tatcctcatt	tgcataatgt	atgatcttct	atttagagct	aactaaagac	82020
tccaccaaaa	aaagttatta	gaactgacga	acaaattcag	taaagctgca	ggatacaaaa	82080
tcaacatata	aaaatcagta	gcattttctat	atgccacaaa	tgaccaatgt	gaaaaagaaa	82140
ttaaaaagta	accctatttta	caataaccac	aaataaacac	ctaggaatta	accaagagg	82200
taaaagattt	ctgtaattgaa	aactataaaa	cactgatgaa	agaaattgaa	gagtacacca	82260
aaaaatggaa	agcaattgca	tgttcattgga	ttagaagaat	cagtgttgtt	ataatgtcca	82320
tactatccaa	agcaatctac	agattcaatg	caatccttat	caaaatacca	atgacatcat	82380
tcacagaaat	agaaaaaaa	aatcctaaaa	tttacgtgga	accacaaaga	cccagaatag	82440
ccaaagctct	cctaagcaaa	aagaacgaaa	ctgtaggaat	gacattgcct	gtcttcaaat	82500
tctactacag	agctatagat	agtaaccaaa	acagcgtggt	actggcataa	aaacagacac	82560
agagacaaac	agaacaaaat	ttaaaaaccc	agaaataaat	ccacacacct	acagcaaatt	82620
catttttgac	aaagttgcca	agaacatact	ctggggaata	gataatgata	tctcttcaat	82680
aaatagtgtg	gggaaaactg	gatataccata	tacataacag	tgaaactaga	ccctctctct	82740
tctcactata	tacaaaaatc	aatcaaaaat	tgtttaagga	cttaaatcta	agacctcata	82800
ctatgaaacc	actgcaagac	aaccttgggc	gaaactctcc	aagacatcag	tccaggcaaa	82860
gatttcttga	gtaatatccc	acaagcacag	acaaccaaag	caaaaaatgga	caaattggat	82920
cacatcaagt	taaaaagctt	ctgcacagta	agggaaacaa	ccaacaaaat	gaagagacaa	82980
cccacagaat	gggagaaaat	atttgaaaaa	tacccatctg	gcaagggatt	aaaaaccaga	83040
atatatgcag	aatatataag	gagctcaaac	agtgcataag	aaaaaaaaat	ctaataatct	83100
gatttataaa	tgggaaaaat	gttagaatag	acatttctta	aaataagaca	tacagatggc	83160
aaaccgacat	ggaacggtgc	tcaacatcat	ggattatcac	agaaacacaa	tcaatcaaaa	83220
ctaaaactaa	aatgtgctat	catctcacc	cagttaaaat	ggctgatata	cagaagacag	83280
gcaataacaa	atgtctggca	ggatgtgggg	aaaagggagc	ccccatcac	tgttgctggg	83340
attgtaaatt	agtacaacca	ctgtggagag	cagcatgaaa	gttctctcaa	aaactgaaag	83400
aaagctacca	taggatccag	caatcccact	gctgtgtata	tactacaaaa	gaaaggaagt	83460
cagtatatga	agaggtatct	gcactcccat	gtttgttgca	gccctgttca	caacagccaa	83520
gatttgggaag	caacctaaagt	gtccatcagc	agttgaatgt	ataaagaaaa	tgtgggtgcat	83580
atacacaatg	gagtattatt	caataataaa	aaggaaatgag	attgagtcac	ttgcaacaac	83640
atggatggaa	ctggagatca	ttatgtgaag	tgaataaagc	caggcacaga	aagacaaaca	83700
ttacaatgtt	cttacttatt	aatgagatct	aaaaatcaaa	acaattgcac	ccatgttcat	83760
aaagagtaaa	aggatggtta	ccagatgctg	agaacggtgg	tgggggggata	gggaaagggtg	83820

tttgttttct	gtacttgcc	gtgggggttc	ctgagcattg	cagggttggtc	ctcggggcat	90840
gttccgaggg	gacctggg	gactggccag	gaggggacgg	gcactggggt	gccttgagga	90900
tctgggagcc	tctgtggatt	ttccgatgcc	tttgaaaaat	gggactcagg	ttgggtgcgt	90960
ctgatggagt	aactgagcct	ctagactgag	cattgcagac	taatcttgga	tatttgtccc	91020
tgagggagcc	ggctgagaga	agttgggaaa	taaactgtct	agggatctca	gagcctttag	91080
gacagattat	ctccacatct	ttgaaaaact	aagaatctgt	gtgatgggtg	tggtggagtc	91140
cctggatgat	gggatagggg	ctttggaggc	tcatlttgagg	gagatgctaa	aacaatccta	91200
tggctggagg	gatagttggg	gctgtagtgt	gagattttca	gttttttagaa	taaaagtatt	91260
agctgcggaa	tatacttcag	gaccacctct	gtgacagcat	ttatacagta	tccgatgcac	91320
agggacaaa	agtggagtgg	ggcactttct	ttagatttgt	gaggaatggt	ccacactaga	91380
ttgtttaaaa	cttcatttgt	tggaaggaga	gctgtcttag	tgattgagtc	aaggagaaaa	91440
ggcatctagc	ctcgggtctca	aaagggtagt	tgctgtctag	agaggctctg	tggagcctgc	91500
aaaagtcag	ctttcaaagg	aacacagaag	tatgtgtatg	gaatattaga	agatgttgc	91560
tttactctta	agttgggttc	taggaaaaat	agttaaatac	tgtgacttta	aaatgtgaga	91620
gggttttcaa	gtactcattt	ttttaaatgt	ccaaaattct	tgtcaatcag	tttgaggctc	91680
tgtttgtgta	gaactgatat	tacttaaaagt	ttaaccgagg	aatgggagtg	aggctctctc	91740
ataacctatt	cagaactgac	ttttaacaat	aataaatlaa	gtttcaaata	tttttaaatg	91800
aattgagcaa	tggttgagttg	gagtcaagat	ggccgatcag	aaccagaaca	cctgcagcag	91860
ctggcaggaa	gcaggtctatg	tggcaaggct	atttggggaa	gggaaaaata	aaccactagg	91920
taaaacttgta	gctgtgggtt	gaagaagtgg	ttttgaaaca	ctctgtccag	ccccaccaaa	91980
ccgaaagtcc	aggctgagca	aaacaccacc	tgggtaattt	gcattttctaa	aataagttga	92040
ggattcagcc	gaaactggag	aggtcctctt	tttaacttatt	gagttcaacc	ttttaatttt	92100
agcttgagta	gttctagttt	ccccaaactt	aagtttatcg	actttctaaa	tgtattttaga	92160
attcattttc	aaaattaggt	tatgtaagaa	attgaaggac	tttagtgtct	tttaatttcta	92220
atataatttag	aaaacttctt	aaaattactc	tattattctt	ccctctgatt	atttgtctcc	92280
attcaattct	tttccaatac	ccgaagcatt	tacagtgact	ttgttcatga	tcttttttag	92340
ttgtttgttt	tgccttacta	ttaagacttt	gacattctgg	tcaaaacggc	ttcacaaaac	92400
tttttcaaga	ccactttctg	agtattcatt	ttaggagaaa	gacttttttt	ttaaatgaat	92460
gcaattatct	agacttattt	cagttgaaca	tgctgggttg	tggttgagag	gacactcagt	92520
cagtcagtg	cgtgaagggc	ttctaagcca	gtccacatgc	tctgtgtgaa	ctccctctgg	92580
cctgtcttat	tggtgaatgg	gccaaaggtc	tgagaccagg	ctgctgctgg	gtaggcctgg	92640
actttgggtc	tcccaccag	acctgggaat	gtatggttgt	ggcttctgcc	acctatccac	92700
ctggctgctc	atggaccagc	cagcctcggt	ggctttgaag	gaacaattcc	acacaaagac	92760
tctggacctc	tccgaaacca	ggcaccgcaa	atggtaagcc	agaggcagcc	acagctgtgg	92820
ctgctgctct	taaagcttgt	aaactgtttc	tgcttaagag	ggactgagtc	ttcagtcatt	92880
gcttttagggg	gagaaagaga	catttgtgtg	tcttttgagt	accgttgtct	gggtcactca	92940
catttaactt	tccttgaaaa	actagtaaaa	gaaaaatggt	gcctgttaac	caataatcat	93000
agagctcatg	gtactttgag	gaaatcttag	aaagcgtgta	tacaattgtc	tggaattatt	93060
tcagttaaagt	gtattagttg	aggtactgat	gctgtctcta	cttcagttat	acatgtgggt	93120
ttgaattttg	aatctattct	ggctcttctt	aagcagaaaa	tttagataaa	atggataacct	93180
cagtggtttt	taatgggtgg	tttaatatag	aaggaattta	aattggaagc	taattctagaa	93240
tcagtaagga	gggaccagg	ctaagaaggc	aatcctggga	ttctggaaga	aaagatgttt	93300
ttagttttta	tagaaaacac	tactacattc	ttgatctaca	actcaatgtg	gtttaatgaa	93360
tttgaagttg	ccagtaaatg	tacttcctgg	ttgttaaaga	atggtatcaa	aggacagtgc	93420
ttagatccga	ggtgagtgtg	agaggacagg	ggctggggta	tggatacgca	gaagggaaggc	93480
cacagctgta	cagaattgag	aaagaataga	gacctgcagt	tgaggccagc	aggctcggctg	93540
gactaactct	ccagccacag	taatgacca	gacagagaaa	gccagactca	taaagcttgc	93600
tgagcaaaa	taagggaaca	aggttgagag	ccctagtaag	cgaggctcta	aaaagcacag	93660
ctgagctgag	atgggtgggc	ttctctgagt	gcttctaaaa	tgcgctaaac	tgaggtgatt	93720
actctgaggt	aagcaaagct	gggcttgagc	caaaatgaag	tagactgtaa	tgaactggaa	93780
tgagctgggc	cgttaagcta	aactaggctg	gcttaaccga	gatgagccaa	actggaatga	93840
acttcattaa	tctaggttga	atagagctaa	actctactgc	ctacactgga	ctgttctgag	93900
ctgagatgag	ctggggtgag	ctcagctatg	ctacgctgtg	ttggggtgag	ctgatctgaa	93960
atgagatact	ctggagtagc	tgagatgggg	tgagatgggg	tgagctgagc	tgggctgagc	94020
tagactgagc	tgagctaggg	tgagctgagc	tgggtgagct	gagctaagct	ggggtgagct	94080
gagctgagct	tggctgagct	agggtgagct	gggctgagct	ggggtgagct	gagctgagct	94140
ggggtaagct	gggatgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	94200
gagctggggt	gagctgggct	gagctgggct	gagctgggct	gagctggggt	gagctgagct	94260


```

acagtgttct cttgactgea ggtccctcca cagacatcct aaccttcacc atccccccct 97800
cctttgccga catcttctct agcaagtcgg ctaacctgac ctgtctggtc tcaaacctgg 97860
caacctatga aacctgaat atctcctggg cttctcaaag tggatgaacca ctggaaacca 97920
aaattaaaat catggaaagc cctcccaatg gcaccttcag tgctaagggt gtggctagtg 97980
tttgtgtgga agactggaat aacaggaagg aatttgtgcg tactgtgact cacagggatc 98040
tgccttcacc acagaagaaa ttcatctcaa aacccaatgg taggtatccc ccttccctt 98100
ccctccaat tgcaggaccc ttctgtacc tcatagggag ggcaggctct cttccaccct 98160
atcctcacta ctgtcttcat ttacagaggt gcacaaacat ccacctgctg tgtacctgct 98220
gccaccagct cgtgagcaac tgaacctgag ggagtcagcc acagtcacct gcctggtgaa 98280
gggcttctct cctgcagaca tcagtgtgca gtggcttcag agagggaac tcttgcccca 98340
agagaagtat gtgaccagtg ccccgatgcc agagcctggg gcccaggct tctactttac 98400
ccacagcatc ctgactgtga cagaggagga atggaactcc ggagagacct atacctgtgt 98460
tgtaggccac gaggccctgc cacacctggt gaccgagagg accgtggaca agtccactgg 98520
taaaccacac ctgtacaatg tctccctgat catgtctgac acaggcggca cctgctattg 98580
accatgctag cgtccaacca ggcaggccct gggtgtccag ttgctctgtg tatgcaaact 98640
aaccatgtca gagtgagatg ttgcatttta taaaaattag aaataaaaaa aatccattca 98700
aacgtcactg gttttgatta tacaatgctc atgcctgctg agacagttgt gttttgcttg 98760
ctctgcacac accctgcata cttgcctcca cctggccct tctctacct tgcagtttc 98820
ctccttgtgt gtgaactcag tcaggcttac aacagacaga gtatgaacat gcgattcctc 98880
cagctacttc tagatatatg gctgaaagct tgcattgctg caggctcgact ctgaggatc 98940
cccggtacc gagctcgaat tgcctctata gtgagtcgta ttacaattca ctggccgtcg 99000
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 99060
atcccccttt cgcagctgg cgtaatagcg aagaggcccg caccgatcgc ccttcccaac 99120
agttgcgcag cctgaatggc gaatggcgcc tgatggcgta ttttctcctt acgcatctgt 99180
gcggtatttc acaccgcata tgggtgactc tcagtacaat ctgctctgat gccgcatagt 99240
taagccagcc ccgacacccg ccaacacccg ctgacgcgaa ccccttgcgg ccgc 99294

```

```

<210> 7
<211> 17
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> synthetic

```

```

<400> 7
tgcggccgat cttagcc 17

```

```

<210> 8
<211> 18
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> synthetic

```

```

<400> 8
ttgaccgatt ccttgcg 18

```

```

<210> 9
<211> 21
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> synthetic

```

<400> 9 acgagcgggt tcggccatt c	21
<210> 10 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 10 ggtggagagg ctattcggc	19
<210> 11 <211> 17 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 11 gaacacggcg gcatcag	17
<210> 12 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 12 tgggcacaac agacaatcgg ctg	23
<210> 13 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 13 tctccaacg acaggtccc	19
<210> 14 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 14 gatgaactga cgggcacagg	20

<210> 15
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 15
 tccctggaac tctgccccga caca 24

 <210> 16
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 16
 ctctgtggaa aatggtatgg agatt 25

 <210> 17
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 17
 ggtaagcata gaaggtgggt atcttt 26

 <210> 18
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 18
 atagaactgt catttggtcc agcaatccca 30

 <210> 19
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 19
 tggtcacctc caggagcctc 20

 <210> 20
 <211> 21

<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 20
gctgcagggt gtatcagggtg c 21

<210> 21
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 21
agtctctgct tcccccttgt ggctatgagc 30

<210> 22
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 22
gatgggaaga gactggtaac atttgtac 28

<210> 23
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 23
ttcctctatt tcactctttg aggcgc 26

<210> 24
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 24
cctccactgt gttaatggct gccacaa 27

<210> 25
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
 <223> synthetic

 <400> 25
 ggtgtgcgat gtacctctg aac 23

 <210> 26
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 26
 tgtggcagtt taatccagct ttatc 25

 <210> 27
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 27
 ctaaaaatgc tacacctggg gcaaacacc tg 32

 <210> 28
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 28
 gccatgcaag gccaaagc 17

 <210> 29
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 29
 agttcttgag ccttaggggtg ctag 24

 <210> 30
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

<400> 30 ccaggaaaat gctgccagag cctg	24
<210> 31 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 31 aactacgcac agaagttcca gg	22
<210> 32 <211> 18 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 32 gctcgtggat ttgtccgc	18
<210> 33 <211> 16 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 33 cagagtcacg attacc	16
<210> 34 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 34 tgagcagcac cctcacgtt	19
<210> 35 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 35 gtggcctcac aggtatagct gtt	23

<210> 36
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 36
 accaaggacg agtatgaa 18

<210> 37
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 37
 caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
 tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggagg atcatcccta tctttggtac agcaaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 38
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 38
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 39
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 39
 caggtccagc tgggtgcaatc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
 tcctgcaagg cttctggagg caccttcagc agctatacta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtat agcaaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gaga 294

<210> 40

<211> 98
 <212> PRT
 <213> Homo sapiens

<400> 40
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Arg Ile Ile Pro Ile Leu Gly Ile Ala Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 41
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 41
 caggtgcagc tgggtgcagtc tgggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
 tcttgcaagg ctcttgaggg cacccttcagc agctatgcta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgatgac acggc 275

<210> 42
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 42
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr
 85 90

<210> 43
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 43
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtat agcaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 44
<211> 98
<212> PRT
<213> Homo sapiens

<400> 44
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45
Gly Arg Ile Ile Pro Ile Leu Gly Ile Ala Asn Tyr Ala Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg

<210> 45
<211> 294
<212> DNA
<213> Homo sapiens

<400> 45
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180
gcacagaagt tccagggcag agtcacgatt accacggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gaga 294

<210> 46
<211> 98
<212> PRT
<213> Homo sapiens

<400> 46
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45
Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Ile Thr Thr Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys

Ala Arg

85 90 95

<210> 47
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 47
 caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
 tcttgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt ggcacaggcc 120
 cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 48
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 48
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg

<210> 49
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 49
 agaagcctgg gtccctcggtg aaggtctcct gcaaggcttc tggaggcacc ttcagcagct 60
 atgctatcag ctgggtgcga caggcccttg gacaagggtc tgagtggatg ggaaggatca 120
 tccctatctt tggtagcga aactacgcac agaagttcca ggcagagtc acgattaccg 180
 cggacgaatc cagcagcaca gcctacatgg agctgagcag cctgagatct gag 233

<210> 50
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 50
 Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr
 1 5 10 15

Phe Ser Ser Tyr Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly
20 25 30
Leu Glu Trp Met Gly Arg Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr
35 40 45
Ala Gln Lys Phe Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr
50 55 60
Ser Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu
65 70 75

<210> 51
<211> 296
<212> DNA
<213> Homo sapiens

<400> 51
caggtccagc tgggtgcaatc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatacta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtac agcaaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 52
<211> 98
<212> PRT
<213> Homo sapiens

<400> 52
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30
Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45
Gly Arg Ile Ile Pro Ile Leu Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg

<210> 53
<211> 296
<212> DNA
<213> Homo sapiens

<400> 53
caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtat agcaaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 54
<211> 98

<212> PRT
 <213> Homo sapiens

<400> 54
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Arg Ile Ile Pro Ile Leu Gly Ile Ala Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 55
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 55
 caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc agtgaaggtc 60
 tcctgcaagg ctctcggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggaggg atcatcccta tccttggtat agcaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 56
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 56
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ile Ile Pro Ile Leu Gly Ile Ala Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 57
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 57
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtac agcaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 58
<211> 98
<212> PRT
<213> Homo sapiens

<400> 58
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45
Gly Arg Ile Ile Pro Ile Leu Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg

<210> 59
<211> 296
<212> DNA
<213> Homo sapiens

<400> 59
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 60
<211> 98
<212> PRT
<213> Homo sapiens

<400> 60
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45
Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg

<210> 61
<211> 296
<212> DNA
<213> Homo sapiens

<400> 61
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc agtgaaggtc 60
tcctgcaagg ctctggagg cacttcagc agctatgcta tcagctgggt ggcacaggcc 120
cctggacaag ggcttgagt gatgggaggg atcatcccta tctttggtac agcaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 62
<211> 98
<212> PRT
<213> Homo sapiens

<400> 62
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45
Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60
Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg

<210> 63
<211> 305
<212> DNA
<213> Homo sapiens

<400> 63
gagcccactc ccaggtgcag ctgggtgcagt ctggggctga ggtgaagaag cctggggcct 60
cagtgaaggc ctctgcaag gcttctggat acaccttcac cggctactat atgcactggg 120
tgcgacaggc ccctggacaa gggcttgagt ggatgggacg gatcaaccct aacagtgggtg 180
gcacaaacta tgcacagaag tttcagggca gggtcaccag taccaggac acgtccatca 240
gcacagccta catggagctg agcaggctga gatctgacga cacggctcgtg tattactgtg 300
cgaga 305

<210> 64
<211> 98
<212> PRT
<213> Homo sapiens

<400> 64
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Arg Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ser Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Val Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 65
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 65
 gagccactc ccaggtgcag ctggtgcagt ctggggetga ggtgaagaag cctggggcct 60
 cagtgaaggt ctctgcaag gcttctggat acaccttcac cggctactat atgcactggg 120
 tgcgacaggc ccttgacaa gggcttgagt ggatgggatg gatcaaccct aacagtgggtg 180
 gcacaaacta tgcacagaag ttccagggca gggtcacccat gaccaggac acgtccatca 240
 gcacagccta catggagctg agcaggctga gatctgacga cacggccgtg tattactgtg 300
 cgagaga 307

<210> 66
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 66
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 67
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>

<221> variation
 <222> (124)...(124)
 <223> n=a, g, t, or c

<400> 67
 gagcccaactc ccagggtgcag ctgggtgcagt ctgggggctga ggtgaagaag cttgggggcct 60
 cagtgaaggt ctcttgcaag gcttctggat acaccttcac cggctactat atgcactggg 120
 tgcnacaggc ccttgacaa gggcttgagt ggatgggatg gatcaaccct aacagtgggtg 180
 gcacaaacta tgcacagaag tttcagggca gggtcacccat gaccagggac acgtccatca 240
 gcacagccta catggagctg agcaggctga gatctgaaga cacggccgtg tattactgtg 300
 cgagaga 307

<210> 68
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> VARIANT
 <222> (38)...(38)
 <223> Xaa=any amino acid

<400> 68
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Leu Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30
 Tyr Met His Trp Val Xaa Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg

<210> 69
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 69
 cagggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggggcctc agtgaaggtc 60
 tcttgcaagg cttctggata caccttcacc ggctactata tgcactgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggatgg atcaacccta acagtgggtg cacaaactat 180
 gcacagaagt ttcagggctg ggtcaccatg accagggaca cgtccatcag cacagcctac 240
 atggagctga gcaggctgag atctgacgac acggccgtgt attactgtgc gaga 294

<210> 70
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 70
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1				5					10					15			
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Gly	Tyr		
			20					25						30			
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met		
		35					40						45				
Gly	Trp	Ile	Asn	Pro	Asn	Ser	Gly	Gly	Thr	Asn	Tyr	Ala	Gln	Lys	Phe		
	50					55					60						
Gln	Gly	Trp	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Ala	Tyr		
65					70					75					80		
Met	Glu	Leu	Ser	Arg	Leu	Arg	Ser	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys		
				85					90					95			

Ala Arg

<210> 71
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 71
 aggatgtggg ttttcacact gtgtctctcg cacagtaata caccgaccgtg tcgtcagatc 60
 tcagcctgct cagctccatg taggctgtgc tgatggacgt gtccctggtc atggtgaccc 120
 tgcctgaaa cttctgtgca tagtttgtgc caccactgtt agggttgac cgtcccatcc 180
 actcaagccc ttgtccaggg gcctgtcgca cccagtgcac atagtagccg gtgaagggtg 240
 atccagaagc cttgcaggag accttcactg aggccccagg cttcttcacc tcagccccag 300
 actgcaccag ctgcacctgg gaggggacac ctgtggagac tcgcga 346

<210> 72
 <211> 98
 <212> PRT
 <213> Homo sapiens

1				5					10					15			
Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Gly	Tyr		
			20					25						30			
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met		
		35					40					45					
Gly	Arg	Ile	Asn	Pro	Asn	Ser	Gly	Gly	Thr	Asn	Tyr	Ala	Gln	Lys	Phe		
	50					55					60						
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Ala	Tyr		
65					70					75					80		
Met	Glu	Leu	Ser	Arg	Leu	Arg	Ser	Asp	Asp	Thr	Val	Val	Tyr	Tyr	Cys		
				85					90					95			

Ala Arg

<210> 73
 <211> 14781
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 73

taactataaac	ggtcctaagg	tagcgaggga	tgacagatto	tctgttcagt	gcactcaggg	60
tctgcctcca	cgagaatcac	catgtccttt	ctcaagaactg	tgttctgtgc	agtgcctgt	120
cagtggaaat	ctggagagca	tgcttccatg	agcttgtgag	tagtatactt	agtaagccat	180
ggcttttgtgt	taatggtgat	gttctacata	tcagttctct	ggcttaataa	tgagggtgatg	240
attctatggt	cctgtaacgc	ttcctcaact	gggtcctaag	tctttcttca	ctccatctat	300
tcctctaagg	aatgatoctg	aaaatcccat	cacaaactat	aggagatggg	aaccatcaaa	360
aaacacagtg	acaaagagggt	gggaacgcat	cagggttcag	gaaccatatt	ttaaaaagat	420
atcgtaaata	acttcttaaa	agagatatag	acaaatctcc	attaatacgg	agaccagagg	480
cctaaggcta	agaaccaatg	gtggctcaag	gtctcctgct	acccgaggag	caaacgtaga	540
gcagtttcta	atgattttatt	taaaatatag	aatcaaaagt	accagtttgc	aattttgaaa	600
gattttatttc	agcaatgcaa	caacatcagg	tgggtccgag	tccaacacgt	cttatgtccc	660
atgatataaaa	caaaggccat	ccagaactgt	ggactggagt	totacctgtt	ccctaatga	720
cattcagatt	ttttttccat	tctctttatc	ttagaggaga	cagggggcta	actcatttta	780
cttgctcttt	gcttggtctt	gccaagaacg	taaagcagct	tgcaagtctt	caaacctaaa	840
tatcttagta	actcctacac	gagtggcaat	gccaaagagc	agtgcacaaa	agaggaagta	900
aatacgacca	aagagtattc	ttaaatacac	tactggctct	aggttctgtt	ttattatgcy	960
cctttgaacc	ggagggggacc	cactgtctat	gtctccactg	tgctccctct	ctttgcactt	1020
tgaggggctc	caacccaaaat	ggcaatggca	attccgacga	ttgttacaca	ctcctctgaa	1080
attgcatttt	tctgggggtgc	agtcataacc	caaacgagat	aaacttccat	tgcaagctcc	1140
tcgatcacag	aacttacccc	ttgaacacgg	ggtaccatgt	ctcaccatc	cagcatctgc	1200
tgtttctgtc	ccacgatgtt	catcaagccc	aaagcaggta	acccagaga	taaccgattg	1260
atggaatgaa	acatgttctt	gcaaaaatgg	aagattggtg	acattggtac	actgcaacct	1320
tcacacagc	ttgtcctgat	cagcacaagc	attgaatgtg	aggctttctt	ctgctctagt	1380
acaatgccca	aatcgaaaac	gttggtttgt	gatgtcatag	cacttaatat	tagcattctt	1440
agcacttaca	ccaaagattt	ccatgcattg	tatgttgca	tcagtgcagt	tacctttata	1500
gcagtaaccc	tcttctgagc	atgggtgtcc	atcttgca	taagtgtcat	ctgggcaaat	1560
gaacttagag	ccactacagt	actctggaag	atcacatatg	ttctggatag	gtctgcagag	1620
tgtcccagaa	ggactgtaag	tgcaatttgc	acagcataat	tctttatcac	aaatgctacc	1680
agggtgttaac	ctgcaatcat	ttccacagca	gggatctgaa	taacatgctt	tttgggagcc	1740
acagtcacac	tgctcattgt	tatctacttt	gaagtttcca	caaaaacttat	aagtcaatga	1800
tgtattataa	taaacatgac	ggtcatagaa	aagacatggc	atcagatcag	gagtattaa	1860
tatgttgctt	atctctgcaa	gggaacaatt	gctgaaagca	tctgttaatt	gaggattttt	1920
gaacatgatg	cagggtgttc	ttctctggca	gatacagtac	ccctcatcat	gttttaggcc	1980
taaaactcctt	ccaacacgat	tggttattat	aataagataa	aataaaggat	ttcgaccatg	2040
ttgaccaaga	caaattaggg	ctgagggaga	acataactc	ctctcagctg	gattaacagc	2100
atcatctcct	ggcgaattct	tggttaattat	agctcctgca	tcaggccctaa	aatgagcata	2160
aaatactctc	tcatagaaag	tatgagcctg	ccctcctgga	actcgaaaat	cttgtgaaaa	2220
tggatcagcc	tcggtataca	cagtcatgag	aaagacatag	taccgcata	gaagattggt	2280
cagataggtg	tcatttaaac	taatgacttt	aaacaaatac	tcaacagtag	atgaaagttt	2340
gtcacctcca	gaagcactat	atacagaatg	ggttgcttga	aagtggcctt	ttatagcagc	2400
tggatgtgta	gcgtaattct	tactagatag	tctggagct	ccatctgcat	attccaatct	2460
ggaggaggga	gaacctgtat	tatggctcca	gtgcttccat	gcattcatag	gcctgtgtc	2520
atcagactca	gatactatct	gagaaacaag	gtgttcaaag	ctctgtgaat	cattgagggg	2580
tttgatttca	taggtaaggt	tatccaaact	tatgacctct	gacaggcccc	cataacaagt	2640
atccacagtg	accatggatt	gcaggatccc	ctccaggtag	ccaatatagt	aacaatctac	2700
aggaaaaaag	gggtactcca	tctgtaaggc	tccttggtca	tcttgagttg	tcagcaacaa	2760
gtgtctgggc	caaatgagtg	tctttctccg	caggtggatg	atatgtctct	ggccccgaaa	2820
acgcaagcta	tacgagagca	gtctttgtgc	ttgaagtcc	ttggtatggt	agatctcctt	2880
cagagggaata	accacctccg	atgagatgta	acgccaagtg	ggatggcctt	gagaacacca	2940
gactggaacc	aggaggagca	gccagagtgc	aaatagcaag	aggaggaccc	tggggaccac	3000
aggctcttct	actagcctca	tgccccaggt	cagagataac	atcctgggtg	gagctaactc	3060
cctctgtctg	ggccactgcc	tggctctagaa	aatactgaca	gaggactaaa	aacctcctca	3120
ggctcccaac	ctaagtgggt	accagacaaa	ctggagttag	gtaacagtca	ctgggtgtgg	3180
caggaattga	gtctgaatgt	gttagctgag	gttgaggtta	aatattgtca	aaagggatgt	3240
ctataaatgt	gcctggacaa	gaaaagtcag	aagcagcaag	gagtgtctct	gacaggctca	3300
atcctttctt	ttcttttttt	gaagttcaaa	atatcatttc	caagtgaatg	tatttggttc	3360
ccagtgtgac	tctgggtctc	ttcttaggag	tcaatatctc	tttatatctt	ggctcatggt	3420

tttcacagtt	gttctaactt	cttgttttgt	tttgttttgt	tgtttgtttg	aaagtttaga	3480
gtaaatactg	tctatattag	ccttttagct	ataaatgatt	gtttttattt	cttctaatac	3540
tgttttgttt	gagtttttgt	taaactattt	acaaatgagt	tttttttttc	cttttgggtg	3600
ttgctcgaaa	gtttggagct	ttctgttaat	attgtgttgt	tgtttctcca	atattattag	3660
acctgagaat	tctacctggg	tacctgtgaa	ctccagaatt	tttaaaaatt	ccatctcttg	3720
ggaacattat	ctctgacccc	gtctgaggcc	gaagtggctg	tccccctcca	accttttagt	3780
tctttctttc	ctgactattg	ggattttctc	aagcaatcag	gctgatgggt	tctcagcagt	3840
gagaccagta	gactgtcggt	atgaacgtcg	aagagtctgc	cacacactcc	gggttcatca	3900
acagtgcctt	cgggtctctt	actttttagt	aaggaaatgc	agcctctgag	ttttctccaa	3960
gaaatcattg	atgaaagggg	gaaaagatgg	gtatcaccog	gagttcatga	caagccctgg	4020
ctcagacacg	tgagcaaggt	ctacagcccc	aaagataggg	tgccctgcaa	catgtattta	4080
taagatagga	gaaaaaaatg	ggtagtgtga	gggttgatca	acttacttcc	tctcaaacat	4140
atatactctc	tctaagtgtg	caggggaaaa	ctctgtagaa	ctactgggat	acctgtcac	4200
ccccaggagc	ctcatgaata	agtctctgct	tctgccttgt	agccatgagc	attactgcac	4260
ctgatacccc	tgcagcttcc	tagggaagag	ggaggaagtg	acttggcccc	tgtctgttta	4320
aggtaagagg	agataaatcc	cttctcattg	attaggggtg	gaggggtcat	gtgctctatc	4380
attggtgacc	cagttgggac	atgggtttat	accaaagtca	tcactctgag	gttctgtgta	4440
ccaccaggct	gaactcccat	atcctacatg	gacataggac	aacaccaagc	agaaggaggt	4500
tttaggacta	aactgaagga	cagagatgcg	gtttctaaac	aactagggag	tgccagggcc	4560
agcctctcta	accactatag	gacactgtgg	agtctgtgta	caaagagaga	ttactcaagg	4620
tccttagcac	tgattacaga	gcatactctc	gatgccttot	gctgaccaga	tgtatctttg	4680
cataatctgc	ctatccagat	tcagaaaatt	gatgccacat	agccaagtgg	actttcagga	4740
acagacgalt	taaaaacagg	cagagagatg	tgagagaaag	gagaaggaga	gagagaaggg	4800
agagggagag	aagagagagg	gagacggaga	aggaaagagg	gagaaggaga	aggagagaag	4860
gggcatggac	agagggaggg	acagaaggag	agaggagata	gagaggggga	taagggaaga	4920
gggagggagg	gagagagaga	gaaggctaag	tctttccata	cctgggtccc	aatacctctt	4980
ataacccaag	cacatggttt	cacatctcac	aatgcgggtg	ggatatagat	aactgtaaat	5040
acttgtgaaa	ataatggggc	tgagatctgg	ggttttcatg	atagtttcaa	agtcaccgta	5100
ctgactaaaa	ccttccactg	gcccactctc	agcttcttaa	tctgagggtg	tcaaatttcc	5160
cactaagtgt	gtttagaaag	atctccacct	ttttgcccct	gtcttccagt	gccccacct	5220
cgttctggct	tcaccacatc	gatgtcttct	cagtgtattt	ggccctgcct	gctccacagc	5280
tacaaaaccc	ttcctataat	gagctctgtg	ctgagccatc	atcctgaatc	aatccacctt	5340
aagcagatgt	tttgcttatt	tttctgtgtg	ccatactaca	gaggaaaggt	aggcatgtag	5400
aagctgaagc	atctcacctc	attccaagca	ccctcagttc	ctaaatgtgc	cccttgtgtt	5460
ccagaagtgc	aacctcaagc	atcttttatt	cattcatctt	agagggccac	atgtgtgtga	5520
gtgttataag	atgaaattta	aagcattaat	tattcctaac	aagccaatta	aacaagccaa	5580
aaacattcat	cagtcattcc	catggaacct	ctgaagcate	ttcctgctct	aaccttgggt	5640
tttccagggc	tgtctctggg	tcacaggagc	tgtcctgtct	accagccata	taaaggcaga	5700
cctatcgaaa	ttacaccaga	cttctcacca	tagactataa	aagccagaat	atcctggaca	5760
gatgttatac	agaaactaag	agaacacaaa	tgccagcccc	ggctactata	cccagcaaaa	5820
ctctcaatta	ccatcgatga	agaaaccaag	atatctccatt	acaagtccaa	atttacacaa	5880
tatctttcca	taaatccagc	cctacaaaag	atagcagatg	gaaaactcca	acacaggtag	5940
gaaaactaca	ccctagaaag	agcactaaag	taatcatctt	tcaacacact	caaaagaaga	6000
taaccacaca	aacataattc	cacctctaac	aacaaaaata	aagtaggcaa	caatcactat	6060
tccttaatat	ctcttttaac	atcaatggac	tcaattctcc	aataaaaaga	catagactaa	6120
cagactgaat	acataaacag	gacacagcat	tttgcctgat	aaagcaaaca	cagcgttact	6180
tttttttttc	taaatgacat	tttttattag	atattgtctt	tattgacatt	tcaaattgta	6240
tcccccttcc	tggtttaccc	tctgaaatcc	cctatctcct	ccccctcccc	ctgctcacca	6300
atccacccac	tcccacttcc	aggccctggc	aatccccat	atttgggcat	agagccttca	6360
caggaccaag	gtactctcct	tgcatgtatg	accaactagt	ccattctctg	ctacaaatgc	6420
agctagatct	atgagtccca	ccatgttttt	ttttgttggt	ggtttcatgc	cagggagctc	6480
ttggagatct	gattgtttca	tattgttggt	ctccctatgg	ggttacaaaa	cccttcaact	6540
tcttgggtcc	tttctctggc	tgccctcattg	gggaccttgt	gcgaagtcca	atggatgact	6600
gtgagcatcc	acttctgtat	ttgccaggca	ctggcagagc	ctctcagaag	acagctatat	6660
caagatcctg	gcagcaagct	cttgtttggt	tccacaaaag	tgtctggtgg	ttgtctatgg	6720
gatggatccc	caaaggggca	gtctctggat	ggctattcct	tcagtctctg	ttccacactt	6780
tgtctcttta	actccttcca	tgactatttt	attcctccct	ctaagaagga	ccgaagtatt	6840
catactttgg	tcttcctctc	tgaaattcat	gtgttttgtg	aattgtatct	ttgatattcc	6900

gaacttctg	gctaatatcc	acttatcagt	gagtgaatat	catgtgtgtt	cttatgtgat	6960
tgagttacct	cactcaggat	gatatccctc	agaaccatcc	atttgtctaa	gaatttaatg	7020
aattcattgt	ttttaatagc	tgaggagtag	tccattgtgt	aaatgtacca	cattttctgt	7080
acccattgtt	ctcttgaggg	acatctgggt	tctttaaagc	ttctggacat	taaataataag	7140
gctgctatgg	aaatagtggg	gaatgtgtcc	ttattacatg	ttggagcatc	ttctgggtat	7200
atgcccagga	gtgctattgc	tggtacctct	gatagtacta	tgtccaattt	tttgagggaac	7260
tgccaaactg	atttacagag	tggttggtacc	agcttgcaat	tccaccagca	atggagaaat	7320
gttccccctc	ctccacatcc	tcaccaacat	ctgctgtcac	ctcaatttgt	tcttagtgat	7380
tcagacaggt	gtgaggtgga	atatcagggt	tgtttgccat	ttccctgatg	actagtata	7440
ttgaaaaaaa	ttttaagtgt	ttctcagcca	ttcagtatte	ttcagttgag	aattcactgt	7500
ttagctctgt	actcagggtt	ttttaatagg	gttatttggg	ttctggagt	ctaacgtctt	7560
gaattctttc	tatatattgg	atattagccc	tctgtcatat	ttaggattgg	taaagatctt	7620
tcccaatatg	ttggctgcct	ttttgtgtcc	tttgccttac	agaacctttt	taattttatg	7680
aggtcccat	tgctaattct	tcattttaca	gcacaagcca	ttggtgttct	gttcaaaaat	7740
ctttccccct	gaacctatc	ttcgaggatc	ttccccactt	tctctcttat	aagtttcagt	7800
gtctctatta	ttgtgctgag	ggcgatcgca	cgggtgaaac	cctaggaagt	tcctatactt	7860
tctagagaat	aggaactctg	gaataggaac	ttctctaggg	gctgcaggtc	gaggtctgat	7920
ggaattagaa	cttggcacaaa	caatactgag	aatgaagtgt	atgtggaaca	gaggctgctg	7980
atctcgttct	tcaggctatg	aaactgacac	atttggaac	cacagtactt	agaaccacaa	8040
agtgggaatc	aagagaaaaa	caatgatccc	acgagagatc	tatagatcta	tagatcatga	8100
gtgggaggaa	tgagctggcc	cttaatttgg	ttttgcttgt	ttaaattatg	atatccaact	8160
atgaaacatt	atcataaagc	aatagtaaag	agccttcagt	aaagagcagg	catttatcta	8220
atcccccccc	acccccaccc	cgtagctccc	aatccttcca	ttcaaaatgt	aggtactctg	8280
ttctcacctc	tcttaacaaa	gtatgacagg	aaaaacttcc	attttagtgg	acatctttat	8340
tgtttaatag	atcatcaatt	tctgcagact	tacagcggat	cttcagaaga	actcgtcaag	8400
aaggcgatag	aaggcgatgc	gctgcgaatc	gggagcggcg	ataccgtaaa	gcacgaggaa	8460
gcggtcagcc	cattcgccgc	caagctcttc	agcaatatca	cgggtagcca	acgctatgtc	8520
ctgatagcgg	tccgccacac	ccagccggcc	acagtcgatg	aatccagaaa	agcggccatt	8580
ttccaccatg	atattcgcca	agcaggcatc	gccatgggtc	acgacgagat	cctcgccgtc	8640
gggcatgcgc	gccttgagcc	tgccgaacag	ttcggttggc	gcgagccctt	gatgctcttc	8700
gtccagatca	tcctgatcga	caagaccggc	ttccatccga	gtacgtgctc	gctcgatgcg	8760
atgtttcgct	tggttggtoga	atgggcaggc	agccggatca	agcgtatgca	gccgcgcgat	8820
tgcatgagcc	atgatggata	ctttctcgcc	aggagcaagg	tgagatgaca	ggagatcctg	8880
ccccggcact	tcgccccata	gcagccagtc	ccttcccgct	tcagtgacaa	cgtcgagcac	8940
agctgcgcaa	ggaacgcgcc	tcgtggccag	ccacgatagc	cgcgtgcctt	cgctcctgcg	9000
ttcattcagg	gcaccggaca	ggtcggtctt	gacaaaaaga	accggggccc	cctgcgctga	9060
cagccggaac	acggcgccat	cagagcagcc	gattgtctgt	tgtgcccagt	catagccgaa	9120
tagcctctcc	acccaagcgg	cgggagaacc	tgctgcaat	ccatcttgtt	caatcatggt	9180
ggatggttta	gttctcacc	ttgtcgtatt	atactatgcc	gatatactat	gccgatgatt	9240
aattgtcaac	aattcgagag	acccgggttc	ccaatctaga	gctcgacgtc	taacaaaaaa	9300
gccaaaaacg	gccagaattt	agcgggacaat	ttactagtct	aacactgaaa	attacataat	9360
gacccaaatg	attacatttc	aaaagggtgcc	taaaaaactt	cacaaaacac	actcgccaac	9420
cccagcgcga	tagttcaaaa	cgggagcttc	agctacttaa	gaagataggt	acataaaacc	9480
gaccaaagaa	actgacgcct	cacttatccc	tccctcacc	agaggtccgg	cgctgtctga	9540
ttcaggagag	cctaccctag	gcccgaaccc	tgcgtcctgc	gacggagaaa	agcctaccgc	9600
acacctaccg	gcaggtggcc	ccacctgca	ttataagcca	acagaacggg	tgacgtcacg	9660
acacgacgag	ggcgcgcgct	cccaaaggta	cgggtgcact	gccccacggc	accgccataa	9720
ctgcccgcctc	cgcaacagac	gacaaaccga	gttctccagt	cagtgacaaa	cttcacgtca	9780
gggtccccag	atggtgcccc	agcccatctc	acccgaataa	gagctttccc	gcattagcga	9840
aggcctcaag	accttgggtt	cttgccgcctc	accatgcccc	ccaccttgtt	tcaacgacct	9900
cacagcccg	ctcacaagcg	tcttccatc	aagactcggg	aacagccgcc	attttgctgc	9960
gctcccccca	accccagtt	cagggcaacc	ttgctcggcg	acccagacta	cagcccttgg	10020
cggctctctc	acacgcttcc	gtcccaccga	gcggcccgcc	ggccacgaaa	gccccggcca	10080
gcccagcagc	ccgtactca	ccaagtgcg	atcacagcga	tcacaaaaca	agaaccgcga	10140
cccaaattccc	ggctgcgagc	gaactagctg	tgccacaccc	ggcgcgctct	tatataatca	10200
tggcggttca	ccgccccacg	gagatccctc	cgcagaatcg	ccgagaaggg	actacttttc	10260
ctgcctgtt	ccgtctctctg	gaaagaaaac	cagtgcctta	gagtcaccca	agtcctcgcc	10320
taaaatgtcc	ttctgctgat	actgggggtc	taaggccgag	tcttatgagc	agcggggcgc	10380

tgctctgagc	gtccggggcgg	aaggatcagg	acgctcgcgtg	cgcccttcgt	ctgacgtggc	10440
agcgctcgcc	gtgaggagg	ggcgcccgcc	gggaggcgcc	aaaacccggc	gcggaggcct	10500
cggaggccag	acgcgcgaga	agttcctata	ctttctagag	aataggaact	tcggaatagg	10560
aacttcggta	ccgcgatcgc	gatgtgggaa	cgcttcagtg	ttcaggaacc	atatgattta	10620
tttaaaatat	agaatcaaaa	gtaccaattt	gcagttttga	aagattttatt	ccagtgtaa	10680
catttagcaat	gcaccaacat	caggtgat	ctgaatccaa	cacgtcttat	gtcctcatga	10740
tattaaaaaa	aaaaaaaggc	catccagaac	tgtgaacttg	agttctacct	tgttcctac	10800
tgacattcag	attttctttt	ttgcattctc	tttatcttac	aggagacagg	aggggagggc	10860
taactcattt	tactttggct	tgtcccttgc	tggtcccttgc	ccagaacgta	aagtagcttg	10920
caagtcttca	aattcaaaaa	tcttagtaac	tctacacga	gtggcaatgc	caaagagcag	10980
tgcaacaaa	aggaagtaaa	tacgaccaaa	gagttattct	aaatacacca	ctggctcttg	11040
tttttggttt	attgtgtgct	tttgaactgg	aggggaccca	ctgtctatgc	tcccacttag	11100
tccctcttct	ttgcactctg	gaggtctcca	acaaaaatga	caatggcaat	tccgatgatt	11160
gttacacact	cctctaaaa	tgcatcttct	tggggtgcag	tcataaccca	aatgagataa	11220
acttccactg	caagctcctt	gatcacagaa	cttacttttg	gagcaggggg	taccatgtct	11280
caccattcca	gcactctgtg	tttctgtccc	acgatgttca	tcaagcccaa	agcaggtaaa	11340
cccagagata	atcgattgat	ggaatgaaac	atgttcttgc	aaatatggaa	gattggtgac	11400
attggtacac	tgcaaccttc	cacacagctt	gtcctgatca	gcacaagcat	tgaatgtgag	11460
gctttcttct	gctctagtac	aatgccccaa	tcgaaaccgt	tgtttgttga	tgtcatagca	11520
cttaataatta	gcattcttag	catttacacc	aaagatttcc	atgcattgta	tgttgcgatc	11580
agtgcagtta	cctttatagc	agtaaccatc	tctgagcat	ggtgtcccat	cttgagata	11640
agtgctcatc	gggcaaatgt	atttagtccc	attacagtac	tctggaagat	cacatattgt	11700
ctggatagg	ctgcagagt	tcccagaagg	actgtaagt	caatttgcac	agcataattc	11760
tttatcacia	atgctaccag	gtgttaacct	gcaatcattt	ccacagcagg	gatctgaata	11820
acatgccttt	tgaggagccac	agtcacactg	ctcatcgtaa	tctactttga	agtttccaca	11880
aaacttataa	gtcaatgatg	tattataata	aacatgacgg	tcataaaaa	gacatggcat	11940
cagaccagga	gtattaagta	tgttgcttat	ctctgcaagg	gaacaattgc	tgaaagcatc	12000
tgtaatttga	ggatgtctga	acataatgca	ggtgttcctt	ctctggcaga	cacagtaccc	12060
ctcatcatat	tttaagccta	aactccttcc	aacacgattg	gttattatag	gagataaaaa	12120
taaaggattt	cgatcatatt	taccaatata	aattagggct	aaggaagaac	atatactcct	12180
ctcagctgga	ttaacctggg	tatcttgtgg	ccataactta	ttaagtaaaa	ctcctgcate	12240
aggcttaaat	ttattataaa	agactgacac	atagtaatta	taagccgacc	ctcctggaac	12300
tgcaaaactca	agtcgaaatg	gatcagaatt	ggtgtacaca	gtcatgagaa	agacatagta	12360
ccgcataatga	agatttggtca	gatagggtgc	cattaaacta	atgacttgaa	acaaataccc	12420
aacagtagat	gaaagtttgt	cacctgcagc	agaattatat	acagaattgg	ttgcttgaaa	12480
gtggcccttt	atagcagctg	gatgtgtagc	gtagttctta	ctagatattc	tgaggagctcc	12540
atctgcatat	tccaatctgg	aggagggaga	acctgtatta	tggtccagct	gcttccatgc	12600
attcataggc	cctgtgtcat	cagactcaga	tactatctga	gaaacaaggt	gttcaaaagt	12660
ctgtgaatca	ttgaggggtt	tgatttcata	ggtaagggtca	tctaacttca	tgacccctga	12720
caggccccca	taacaagtat	ccacagtgc	catggattgt	gggatccctt	ccaggtagcc	12780
aatatagtaa	caatctacag	gaaaaaagg	gtaatccatc	tgtaaggctc	cttggtcatc	12840
ttgagttgtc	agcaacaagt	gtctggggca	aatgagtgtc	tttctccgca	ggtggatgat	12900
atgtctctgg	ccccgaaaat	gcaagctata	tgagagcagt	ctttgtgctt	gaagtccttt	12960
ggtatggtag	atctccttcc	gaggaataac	cacctccgat	gagatgtaac	gccaagtagg	13020
atggccttga	gaacaccaga	ctggaaccag	gaggagcagc	cagagtgcac	atagcaagag	13080
gaggaccctg	gggaccacag	gtctttccac	tagcctcatg	ccccaggtca	gagataacat	13140
cctgggtgga	gctaaatccc	tctgctgtgg	ccactgcctg	gtctagaaaa	tactgacaga	13200
ggactaaaaa	cctcctcagg	ctcccaacct	aagtggttac	ccagacaact	ggagttaggt	13260
aacagtcact	gggtgtggca	ggaattgagt	ctgaatgtgt	tagctgaggt	tgaggttaaa	13320
tattgtcaaa	agggatgtct	ataaatgtgc	ctggacaaga	aaagtcagaa	gcagcaagga	13380
gtgtctctga	caggctcaat	cctttctttt	ctttttttga	agttcaaaat	atcattttcc	13440
cgtgaatgta	tttggttccc	agtgtgactc	tggtgtctct	tctaggagtc	aatattttct	13500
tatatcttgg	ctcatgtttc	tcacagttgt	tctaatttct	tgttttgttt	tgtttgtttt	13560
tttgaacgtt	agtagtaaat	actgtctata	ttagcctttt	agctataaat	gattgttttt	13620
atttcttcta	atcatatttt	gtttgagttt	tggttaaact	atttacaaat	gagttttttt	13680
tttttctttt	tggtgtgtgc	tcgaaagttt	ggagctttct	gttaatatgt	tgttgtttat	13740
tttccaatat	tattagacct	gagaattcta	tctgggtacc	tgtgaactct	agaattttta	13800
aaaattccat	ctcttgggaa	cattacctct	gacccctct	gaggccgaag	tggtctctcc	13860

```

cctccaacct ttagtatctt tctttcctga ctattgggat ttcttcaagc aatcaggctg 13920
atgggttctc agcagtgaga ccagtagact gccggtatga acgtcgaaga gactgccaca 13980
cactccaggt tcatcaacag tgccttcgcg tctcttactt ttgtagaagg aaaagcagcc 14040
tctgagttat ctccaagaaa tcattaatga aagagttaaa agatgggtat caccggagt 14100
tcatgacaag ccctggctca gacacgtgag caaggtctac agccccaag ataggctgcc 14160
ctgcaacatg tatttataag atagaagaaa aaaatgggtg gttggagggt tgatcaactt 14220
acttcctctc aaacatatat atctcatcta agtgtgcagg ggaaaactct gtaggactac 14280
tgggattggt attatcatta ttattattat tattattatt attattatta ttattattat 14340
taacttaagg cattttatta gatattttct tcatttagtt ttcaaagtgt atccccggaa 14400
cctcctatac tctctccctg ccctgctccc caaccacccc actcctacat cctggccctg 14460
gcattccctc atactgtggc agatgatctt cgtaagacca agagccttct cctccattga 14520
tggcctacta ggctatcctc ttttaccata gcaactagag tcacagctct ggggagggtat 14580
tgcttagttc atattgtttt tctcctata ggggtgcaga tccctttage tcttgggta 14640
ctttctctag ctctccatt gggggccctg tgttccatcc aatagatgac tgtgagcatc 14700
cacttctgta ttgcccaggt attggcatgg atcttactgc accttctgaa ctctctaagc 14760
agctttcctg gtcggcgcgc c

```

<210> 74

<211> 117034

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic

<400> 74

```

aagcttatct ctctgttgct cagactcacc taggaatttc agaaatttct gttctagcat 60
ctcttccagc ttttgtctcc aacctcatt ctctcttttc tttttttttt taaattatat 120
gttctctgtc tttttaaaaa acttttttaa attaggtatt tatgtcattt acatttccaa 180
tgctatccca aaagtcacc ccacgctccc caaccacta tcccaccac ccactccac 240
ttcttggccc tggcattcac agtgactga gacatataaa gtttgcacaa ccaatgggccc 300
tctctttcca ctgatggcgc actaggccat cttctgatac atatgcagct agagacacga 360
gattctgggg gtactgggta gttcatattg ttgttccacc tatagggttg cagatccttt 420
tagctccttg ggtactttct ctactcctc cattgggggc cctgtgatcc atccaatage 480
tgactgtgag catccacttc tgtgtttgct agggcccaga tagtctcaca agagacagct 540
atatctgggt cctttcagca aaatcttgct agtgatgca acggtgtcag agtttggaag 600
ctgattatgg gatggatccc cggatatggc attctctagt tggttcatcc ttttgtctca 660
gtccaaact ttgtctctgt aactccttcc atgggtgttt tgttccagc tctaaggagg 720
ggcaaagtat ccacactttg gtcttcattc ttcttgagtt tcatgtgttt tgcaaattgt 780
atcttatata ttgggtattc taagtttctg ggctaatac cacttatcag tgagtacaca 840
ttgtgtgagt tcttttgtga ttgggttacc tctactagta tgatgcccctc cagggtccatc 900
catttgccca ggaatttcat aaattcattc tttttaatag ctcagtagta ctccattgtg 960
tagatgtacc acattttctg tattcattcc tctgttgagg ggcattctggg ttctttccag 1020
cttctggcta ttataaataa ggctgctatg aacatagtgg agcatgtgac cttcttaccg 1080
gttgggacat cttctggata tatgcccagg agaggtattg ctggatcttc cggtagtact 1140
atgtccaatt ttctgaggaa ctgacaaact gatttccaga gtggttagta ccagcttgca 1200
atcccaccaa caatgagagg agtggtcgtc tttctccaca tctcaccag catgctgctg 1260
tcacctgaat ttttgatgct tagccattct gactggtgtg aggtggaatc tcagggttgt 1320
tttgatttgt atttcctga tgattaagga tgctgaacat ttctcagggt gcttctcagc 1380
cattcagtat tctttagggt agaattcttt gtttagctct aagcccatt tttttaattg 1440
ggttatttga tcttttgagg tccaccttct tgagtttttt tttccatttt ttattacata 1500
atttctcaa ttacatttcc aatgctatcc caaaagtccc ccataccctc ccccccccaa 1560
ttccttacc accccttccc attttttttg ccctggcgtt cccctgtact ggggcatata 1620
aagtttgtgt gtccaatggg cttctctttc cagtgtgggc tgactaggcc atcttttgat 1680
acatatgcag cttaggtcaa gagctccggg gtactgggta gttcataatg ttgttccacc 1740
tatagggttg cagatccctt tagcttcttg ggtactttct ctactcctc cattgggagc 1800

```

cctgtgatcc	atccaatagc	tgactgtgag	catccacttc	tgtgtttgct	aggeccccgc	1860
atagtctcac	aagagacagc	tacatctggg	tccttttgat	aaaatcttgc	tagtgtatgc	1920
aagggtgtca	gcatttggaa	gctgattatg	gggtggatcc	ctggatatgg	cagtctctac	1980
atggtccatc	cttttgtctc	agctccaaac	ttgtctctcg	taacttcttc	catgagtgtt	2040
ttgttcccaa	ttctaaggag	gggcatagtg	tcacacacttc	attcttcatt	cttcttgagt	2100
ttcatgtgtt	tagcaaattg	tatcttatat	cttgggtatc	ctagggtttg	ggctaataac	2160
cacttatcag	tgagtacata	ttgtgtgagt	tcctttgtaa	atgtgttacc	tcactcagga	2220
tgacgcctc	cagggtccatc	catttggcta	ggaatttcat	aaattcattc	tttttaatag	2280
ctgagtagta	ctccattgtg	taaatgtacc	acattttctg	tactcattcc	tctgttgagg	2340
ggcatctggg	ttctttatag	gttctggcta	ttataaataa	ggttgctatg	aacatagtgg	2400
agcatgtgtc	cttcttaaccg	gttgagacat	cttctggata	tatgccagg	cgagggtattg	2460
ctggatcctc	cggtagtact	atgtccaatt	ttctgaggaa	ctgccagact	gatttccaga	2520
gtggttgtac	aagcctgcac	tctcaccaac	aatggaggag	tgttctctct	tctccacatc	2580
cacgccagca	tctgctgtca	cctgaatttt	tgatcttagc	cattctgact	ggtgtgaggt	2640
ggaatctcag	ggttgttttg	atlttgcat	cctgatgat	taaggatgtt	gaacattttt	2700
ttcaggtgct	tctctgccat	tccgtattcc	tcagggtgaga	attctttgtt	cagttctgag	2760
ccccattttt	taatgggggt	atlttgattt	ctgaagtcca	ccttcttgag	ttctttatat	2820
atgttgagata	ttagtccctt	atctgattta	cgataggtaa	agatcccttc	ccaatctgtt	2880
ggtggtcttt	ttctcttatt	gacgggtgtc	tttgcccttgc	agaaaactttg	gagtgaagtc	2940
ttatatata	ttggatatta	gtccctatc	tgatttagga	taggtaaaga	tcctttccca	3000
atctgttggg	gacctttttg	tcttattgac	ggtgtctttt	gccttgca	atctttgcaa	3060
ttttatgagg	tgcattttgt	caattctcga	tcttacagca	caagtcattg	ctgttctgtt	3120
caggaatttt	tcctctgtgc	ccatatcttc	gaggtcttta	cctgctttct	cctctatatg	3180
tttgagtgtc	tctgggttaa	tgtggagttc	cttaatccac	ttagatttga	ccttagtaca	3240
aggagatagg	aatggatcaa	ttcgcattct	tctacatgat	aaccgctagt	tgtgccagca	3300
ccatttgttg	ataatgctgt	cttttttcca	ctggatgggt	tttgcctcct	tgtctaagat	3360
caagtgaacca	taggtgtgtg	ggttcatttc	tgggtcttca	attctatttc	attggtctac	3420
ttgtctgttg	ttataaccagt	accatgcaga	ttttatcaca	attgctctgt	agtagagttt	3480
taggtcaggg	atggtgatta	caccagaggt	tttttttate	cttgagcaga	gtttttgcta	3540
tctagggttt	tgtgttattt	cagatgaatt	tgcagattgc	cctttccagt	tcttgaaga	3600
attgagttgg	aattttgatg	gggattgcat	tgaatctgta	gattgctttg	gcaatatagc	3660
catttttact	atattgatec	tgccaatcca	tgagcatggg	agatctttcc	atcttctcaa	3720
atcttcttta	atltctttct	tcagagactt	gaagttcttg	tcatacagat	ctttcacttc	3780
cttagttaga	gtcacgctaa	ggtattttat	attatttgtg	actattgaga	aggggtgtgt	3840
ttccctaatt	tctttctcag	cctgtttatc	ctttgtgtac	agaaaagcca	ttgacttgtg	3900
ttagtttaato	tcatatccag	ctacttcaact	gaagcgggtt	atcagggtta	ggagtctctc	3960
ggtgtaattt	ttagggtcac	tcatatatac	tatcatatca	tctgcaaaaa	gtgacatttt	4020
gacttcttcc	tttccaattt	gtatccctt	gatctctctt	tgttgtcgaa	ttgtcttggc	4080
aaggacatca	agtactatat	tgaataggta	gggagaaaat	cggcaccctt	gtctagtcct	4140
tgatttttag	aggatttctt	caagtttctc	accttttact	ttgatgttgg	ctactgggtt	4200
gctgttgaat	gctttttatc	atgttttaggt	atgggccttg	aattcctgat	ctttccaaga	4260
cttttatcat	gaaaggggtg	tggattttgt	caaatgcctt	ctccagcctt	tcattctgag	4320
gttgtgtctg	tctttttccc	tgagatgggt	ttcctgtaag	cagcaaaatg	ttgggtcctg	4380
tttgtgtagc	cctctgttta	ttctatgtct	ttttattggg	gagttgagtc	cattgatatt	4440
aagatatatt	aaggaaaagt	aattgttgc	tcctattatt	tttgttttta	aagtggcat	4500
tctgttcttg	tggctgtctt	cttttaggtt	tgttgaagga	ttcctttctt	gctttttcta	4560
ggtcgtgggt	tccatccttg	tattcatttt	ttttctgtta	ttatcctttg	aaggactgga	4620
ttcatggata	gataatgtgt	gaatttgggt	ttgtcttggg	atacttttgt	ttctccatct	4680
acggtaattg	agagtttggc	tgggtatagt	agcctgggct	ggcaattgtg	ttgtcttagt	4740
gtctatataa	tgtctgtcca	ggatcttctg	gctttcatag	tctgtggtga	aaaatctggg	4800
gtaattctga	taggcttgcc	tttatatggt	acttgaattt	ttcacttact	gcttttaata	4860
ttctttcttt	atlttagtgca	tttgttgttc	tgattattat	gtgtcgggag	gaatttcttt	4920
tctggtccag	tctatlttggg	gttctgtagg	cttcttgtat	gttcacgggc	atctctttct	4980
ttagggtttg	gaagtlttct	tctataattt	tgttgaagat	atltgctggc	ccttcaagtt	5040
gaaaatgttc	attctcatct	actcctatta	ttcgtatggg	tggctctctc	attgtgtcct	5100
ggatttctctg	gatgttttga	gttaggatct	ttttgcattt	tcattttctc	ttgattgttg	5160
tgcagatggt	ctctatggaa	tctctgcac	ctgatattct	ctcttccatc	tctttagtgc	5220
tgttgotgat	gctcgcactc	atggttccag	atltcttctc	tagggtttct	atctccagtg	5280

ttgccccact	ttgggttttc	tgtatagtgt	ctacttccct	ttttagatct	agtatgggtt	5340
tggttcatttc	catcacctgt	ttgggtgtgt	tttctgtttt	ttcttttaaag	acttgcaact	5400
cttttagcaga	gttctcctgt	atttaagtga	gttatttaaag	tccttcttga	tgtccagtac	5460
cataattgtg	agatatgcct	ttaaatccaa	gtctaggttt	ttgggtgtgt	tggttggtccc	5520
tggactggct	gagttgggag	tgcctgcattc	tgatgatggg	gagtggtctt	gggttctgct	5580
agtaagattc	ttacatctgc	ctttcgccat	ctggtaaatct	ctggagtcag	ttgttaaagt	5640
tgtctctggg	taaagcttgt	tctctctgtg	attctgttat	tctcttccag	cagacctggg	5700
agactagctc	tttcttgagt	ttcagtgggc	agagcactct	ctgcaggcag	gatttctctt	5760
ttcagggaag	gtgcacagat	atctgggtgtt	cagatttgcc	tcctggcaga	agatgatggc	5820
ctgaaacagg	acctgtccca	gaagctgtta	gcttctgtag	tcaacactgt	cacctgtgca	5880
gactagtctc	ggtggagtc	gggaaccaag	atgtctcctg	cagatgctct	ggcattccct	5940
tctgggccc	gtgatcacct	ctctctggc	aggggaagggtg	ccctgggtgtc	tggaaccgga	6000
aaagggggct	gcctcagaag	ctctgtggct	actgcctgtc	ccagaagctg	ttagcttctg	6060
tagtccacac	tctcacctgt	gcagactagt	cttgggtggag	tctgggaacc	aagatgtctc	6120
ccgcagatgc	tccagccatt	ctctcttttc	tggtgcttat	tttgacctat	gaaatcctgg	6180
acatatagtt	ctagtgttgc	ttgtaatctc	ttttctaagc	caaggaattt	tttttatcta	6240
gggcacaatc	ttttgagaag	acatatataa	tcaagagaat	aaatattgca	agaccaataa	6300
atgataaggt	atctattttc	tttaaatacca	tcgctgtcaa	accattcaaa	atctctctac	6360
ataaagccaa	aaagatatatt	attgtgtttc	ccatcttagt	tgagttcaag	tcaatatttt	6420
ggtgcccattt	tgttgacagta	aatctctaac	acaaatatgc	ctgggcaatg	aaaacacaa	6480
tcagttaata	tgaatacaga	ttgttcagat	ctaccactac	actaccatct	tcttcatcta	6540
agagacccct	tagaacttgc	agtttctcca	ggccttgtgc	ttctgcgctg	cttttcttct	6600
tcttctctct	ctacattgct	tctctcataa	acctacttct	tttttctcct	ccttctgttc	6660
catcttccct	tttatctgcc	caatcattag	ctctccttta	ttttacaaat	taagggtgtga	6720
agccgggtttc	taggaaatca	cctgagtgtc	gacttggttc	ttgttcagag	ccacgcacag	6780
gagaacagaa	ttaacatcaa	atataattat	ccccagggtc	atccacaaca	cgtgcacctc	6840
ataagatcac	cacggactaa	tgcctggtctt	caattacaac	ataaacaaca	aaaacccac	6900
atatatgtgg	aaacaaatcg	aactatacaa	agaatcaatg	aaaccaggag	cttgttcttt	6960
gagaaaaatc	aacaagatag	ataaaccctt	agccagacta	accagagggc	acagagacag	7020
tatccaaatt	aataaagtca	gaaatgaaag	gaagacataa	caatgaaata	tatcttaaaa	7080
taatttaatt	gtttgtagac	tattagcagt	tgaaaatatt	aaaatcatgt	tctacaaacg	7140
tggaattatt	attgataatt	ttctcactgt	gcttgaaatt	agcattttct	taatgtttta	7200
cttcaaagag	tttttgctat	tttgaaatat	taaacaatata	cttactgata	aaataatttc	7260
cctcctaaca	acactgataa	tcttttttta	agtaaaactga	ttattagaca	atgtacacag	7320
atatataatg	tgttttaaat	actctccac	tgtcaggtgg	tatcatatag	ggcctttgaa	7380
tatatatttt	aatgtattat	ttgtaattat	ttatgggtctc	tcctatgctt	atctctgaaa	7440
gaatattttg	tatgttttga	aacaattttg	tattttaacat	tagatatagg	atcctcagtt	7500
atggatagta	ttaaatatct	attaatgata	tttttaagggt	ataaaaggat	atgaatataa	7560
aagtttaaca	aattttatgt	attattttgat	tctaaaaata	ctcaatatta	ttaatatggt	7620
tgatgtttta	aatgcattta	aataataaaa	acatttataa	aaataaaaatc	aagaaatgag	7680
gttctaaagca	gaggtcaagg	aaaatgagga	atagaaaaat	agtaaaaaatc	aatatgtcca	7740
tttattcaag	gaaagctcct	acatagacat	tgcaccagat	tagcaaatat	tatggtcctc	7800
atattagttt	aagttaggag	actatgctta	tggtatctat	ttacattcta	aggagcctag	7860
acatttgtga	atggattaca	ttataagagg	aggatgtcta	cttaagtagg	catgaacgcc	7920
tgtgcattgc	accctatgag	ttccatcagc	attccatgat	tggagtatga	agaacagcat	7980
tatagacatt	accagaacc	ttagtgggtc	tagaatgcca	agataaaaaca	atctaaccct	8040
ctggatagta	gggataaatg	ttcctatatc	atcagaattc	actgggtgcc	tgaggatggt	8100
accctgctaa	ctgacaattc	acaggacatc	acatggattc	tgataagttg	cagaaaagag	8160
gagatgcatt	caattgggtc	tctctcttct	aagctgcaat	attaggtgca	tccaatttgt	8220
gaacttcaat	ttagattaca	atagacatga	ataatctgaa	ttcatgtagt	acatattttt	8280
gttttaatat	gagttaccat	tgttcagaaa	atataatata	catgatcaca	tattcctaca	8340
tagtgctgtt	agtttttctc	atctctggga	caattattcca	aatatctcct	tcattagtga	8400
aaatatcaac	tactgtaaag	cttagctaac	atgcctttgc	aggaataaga	acatcctgga	8460
ttgaaagcta	cacagggaga	tgtaaaaactt	tctaagcaca	cacattctcc	atccattagg	8520
atcatgggtc	atgagatttt	tctctctctc	ttcttcccat	taaatgcattg	tacatgcagg	8580
ttgggaaaca	gattgtgttg	cagaatacat	ttgcttgatt	tccacttccct	tctcaatgca	8640
aatattttttg	aagtgttaat	tttgcctgtga	gtaccacagt	gggtcttctg	ctttctgttg	8700
actcctgtct	gtgaatgttc	caggaattca	cacatggaca	cacgtggggc	tgcatctgag	8760

ctccagactc	actgttgtcc	ttctgtcctc	agctgctctg	gccagggcac	agcctcgtga	8820
attcaacaaa	gaccctgato	tctcttgttt	acacctcatt	acaaatggga	actgttagag	8880
gtggacccaa	ctgcatttcc	atgaggaaag	cacatgagtt	tgagagggtc	gttgatgata	8940
aggtagaaac	aactttaatt	cataggctga	gatatcagtc	atcacctcca	gataaacaag	9000
agccatttct	tctgtcatct	gagccctgta	agcacactag	cttttaggaat	atgttactgc	9060
tgaagtcaga	ttgggcaact	tcatagtata	caatagaaaa	tctacctgca	gatgagttca	9120
gaaccagcag	ggggcacaat	ggggccaaga	atccctagca	gagagatgtg	gtgtgtgtgc	9180
aggggactct	gcatectctg	tggtttccct	tcttaactta	catgtacctg	tagtgattga	9240
catgtaacgt	ttccacgctc	aaacactgtg	aagatacttt	gctaaacact	tcaaagattt	9300
atgttttctt	gatgtgtgca	tgtgtgtatt	cttttttgtt	tttagacaca	gggtttctct	9360
gtgtagtctt	ggctgcccctg	gaactcactc	tgttagaccag	gctggccctcg	aactcagaaa	9420
tctgcccgtc	tctgcccctc	aagtgcctgaa	gttaaagaca	tgtgccacca	ttgctgggcc	9480
atgtgtgtat	tcttgatgca	ctcttctgtt	gacagataca	cagttttattt	ccataattta	9540
tttattgtga	tgggtgtgca	ataatcactt	atgtacaaat	gtttctgaag	tatatttagt	9600
tttggtcatt	tgggtgatta	tttttttctt	tctagtatat	agcatttttg	aaaggtagat	9660
attaattgta	tgtatgggaa	ggaggctgta	aattctaata	acttagctgc	ttttgaaatt	9720
tgtcctcaat	tctatcatcc	ttgtaaccac	cttaaataca	tctattagcc	ttgtcacaa	9780
tgagccactg	tctcaggctg	caaatctttt	tatagattag	gtcgtgatgt	tacatccaca	9840
gcctctgcac	aatgtctcag	gggtgggatat	gggatgaatt	ccctcagaca	gcattaggac	9900
ttggatctca	gcagactgat	tcttgaccca	aatgtctctt	cttctctagc	aggagtaagt	9960
ccttatctaa	gatgtactct	gctcatgaat	atgcaaatca	attgagtcta	tgggtgtaaa	10020
tatagggatg	tctacacccc	tcaaaaactt	aagatcactg	tcgtcttcac	agtcacagga	10080
gtacacagga	catcaccatg	tgttgagact	gtatcatcct	cttctctgta	gcaacagctg	10140
cacgtaagg	gcttacagta	gcaggcttga	gggtctggca	tacactcatg	tgacaatgac	10200
atccactctg	tccttccctt	cacagggtgtg	cactcccagg	tccagctgca	gcagtctggg	10260
gctgagctgg	tgaggccctgg	ggcctcagtg	aagatttctt	gcaaggcttt	tggctacacc	10320
ttcacaaaac	atcatataaa	ctgggtgaag	cagaggcctg	gacagggcct	ggactggatt	10380
ggatatatta	atccttataa	tgattatact	agctacagaa	ccagaagttc	aagggcaagg	10440
ccacattgac	tgtagacaaa	tctccagca	cagcctatat	ggagcttagc	agcctgacat	10500
ctgaggactc	tgcagtctat	tactgtgcaa	gacacagtgc	tacaaacaca	tcttgagtgt	10560
gtcagaaacc	ctggaggaga	agcaagcaga	gctggaatgg	agatgacaga	aagattatca	10620
tttagacttg	ctcagaaaga	gaaattttga	atgcccattt	attgcctctt	ccttacagta	10680
ctatagtgc	tgtttttgtt	gacattttca	aactaatltc	caaagtcact	accacaattt	10740
acaatcacat	aaaaagcaag	caaggataac	attattttct	gtgcttactt	gccatttata	10800
ttcttgctta	ttctcatctc	actgaggtca	tattgggaca	ttaaattttt	gggtttactt	10860
tttattaaaa	atttttctatt	attcattcac	tttacctctt	tctagtcttc	ctctcacaca	10920
tgccttatcc	ctttctctct	tgagaggatg	gagccctccc	tacctctgta	tccccttacc	10980
caggcacatc	aagtgtctgc	agtactagga	atattctctg	tcaatgctgc	cagacaaggc	11040
agacaagtta	ggggatcagg	attcacagga	aggcaacagc	ttgagggaca	gccccactg	11100
aagttatttg	tggattcaca	tgaagactga	gttgccacatc	tgctacatat	attcaggggt	11160
cctattttaca	gctcaagtag	actcttgttg	gtggtttagt	ctcttagaac	cccaagtgtc	11220
cagggttagtt	gactctgtgg	gtcttccctt	ggagttctcta	tcccctccag	atccctcagt	11280
tcttctccca	actcttccat	aagacacccg	taggtccatc	caatgttttg	ttttgggttt	11340
ttctgcatct	gcttcagbca	gctgctgggt	ggagcatctc	tgaggataat	tatgagaagc	11400
tcttatgtgc	aagcataaca	ggatatcatt	attagtgtca	gggactgggtg	cttggccatg	11460
ggatgggtct	caagtttgggt	cagttattttg	gccattccca	cagtctctga	taatctttgt	11520
ccctgcattt	cttgttagaca	ggaaaaatat	tgggttgaaa	gttttgtggg	tgggttgccg	11580
tctctatttg	tccactgggc	ttctttctgg	atataggagt	ttgcctcttc	aggttccata	11640
ttcccaaagt	agtgtgtcac	actaagggtca	ctcccataca	gagggacact	cattctcttg	11700
ccacgtctct	gtccaccttc	attggacctg	aggttctctga	atcatacaga	actgcatgtg	11760
tgcaaccaca	cagaacaagg	ctatctatca	gaggcctacc	ataccaggac	catcaagggt	11820
caccttactc	ccaatactga	ctacaaaaag	aacatcaagg	accaatgcag	tctatatgga	11880
taaacacact	tgaaaagaaca	caaacaagat	tgagggcaac	atgacacctc	caaagcatat	11940
ctaaccgagt	acagcatgcc	ctggatatcc	taacacaatc	aaaacacaag	aaagtacct	12000
taaatccagt	cttataaagg	tgatgaaggc	ctttaaatag	gaaatgaatt	aatccttagg	12060
ataatacagg	acaatacatt	cgaacagata	gaggtcttta	ggaggaaaga	aataaatccc	12120
tcaaagacat	acatgaaaat	acaattaaac	aggtgaaagt	aataactaca	atggtgtaag	12180
acctaataat	ggaaatagaa	gcaataaagt	aacacaaact	tagaatcttg	aaggtggaaa	12240

acctagagaa	caggaataact	agatgcaagg	atgatatactt	ctaggtccat	ccatttgctt	12300
gcacaattta	tcattgtcctt	gcttttaata	gttgaacagt	atttcattgt	ttaaatgaac	12360
cacatgttct	gtctccattc	tctggatgag	gggtgagca	agtttttcca	cattctggct	12420
attacaaata	gagctgctat	gaacctagta	gaaaacatat	cctgtgtatg	gtggagagtt	12480
ttggagtata	tcaccaagag	tgttatagct	gggtcttcat	gtagaactat	tcctaatttt	12540
ctgagaaatc	ccaagtcaga	tttctagaat	ggttgttcaa	gtgttccactc	caaccatcaa	12600
tggaggactg	ttttccttgc	cagcatgtgc	tgtattttga	gtttttgate	ctagccagtt	12660
ttatcctgca	tttcacactt	agatatggac	tatggtacag	gacagagaga	aaccaacctt	12720
ctactcacca	ggatattcta	cctgctacca	atttatttat	ttattttattt	atttatttat	12780
ttattttattt	atttatttat	attagagaac	aacaccatgc	agtttagaag	aagtactaag	12840
acgtcagtga	tgttatactg	tgccaaacct	tgcatgttac	aatctcagct	ttcaggtaag	12900
acagtgcag	actcttatgc	agtgcacact	gttttctgat	tgtattttatg	gtctattgcc	12960
taggaatgac	ctcctctcaa	ataaacatgg	tcaaaagccc	atggcctgag	atgacagagc	13020
ccctagtaga	ccctagtgtg	atttctgaag	tttagatata	ataatgactt	ataaataactt	13080
atgtttatac	aatagattag	agctgctctc	agccatgacc	aaggagcttc	tgtgttcaat	13140
gaataatgat	tgatgcagac	attcgtgagt	ggtcaaagtg	gtgagaatga	ttagagagtc	13200
ctcagccaca	caagcgtaa	tgatatgaac	tttccaatat	attaactgta	ttaatgaata	13260
aatgcagaca	tcatatgaga	tctcattagt	agttcttagg	tattgcattt	ttatatacaa	13320
ttatgcatat	cagtacatta	tagtgtataa	aggaaattgt	ctagcataat	agagaaaaat	13380
aggacagtca	agaaacaaaa	gagtagaaat	tatgggtgaa	atatgcagtg	tgaaatatatt	13440
acatgaaaat	tttaaccata	tgtaaaattg	ttatttttgt	ttttcagaat	gagtttgctc	13500
attctttgac	atttttattc	ctgtgtgaaa	tatatcagga	tcatatgtat	cccattctga	13560
tggctgact	tccactggga	atttccaata	tatctcttcc	aactaactga	ccagtttctt	13620
tttttcttat	tttctctctt	tctcgttttg	ttttgctttg	ttttgttttt	caagacaggg	13680
tttctctgtg	tagctctggc	tgtcctggaa	ctcactttgt	agatcaggct	ggcttcgagc	13740
tcataaatcc	actgcctct	gctcctgag	tgtctggatt	aaaggagtgg	ctaccacgcc	13800
eggctagttt	ttttttttct	tataagaaca	acatttactg	gatgggtcact	tacatatcca	13860
gaggttcagt	caattattat	caaggcagaa	gcatggcagt	ggtccagtag	tcatggcact	13920
ggggaaggag	ctgagagatc	tacatcttgc	tccaaaggga	aagaggaata	gtctgacttc	13980
catgtgtttc	agaggagggt	ttcatttccc	acccccacag	tgacacactt	cctccaacac	14040
ggccacacct	cctaataattg	ccactcttgg	atcaagcata	ttcacaccac	aaaggaaaagt	14100
ttagagataa	acattaagaa	aattaatgaa	gtcattttat	cttatatgct	caacatgact	14160
agtacttaaa	accataattt	tacatgtaca	atattlcatg	gcataacata	ttttttatat	14220
ttttattaga	ttttttcttt	atttatattt	caaagtgtat	accttttccc	aattccccctc	14280
caaaaatccc	ctatgccttc	ccctcatagc	cagctcccaa	acccacccac	tctgtctttc	14340
tggctcctggc	attccccat	actggggcat	aaaaccttca	caggaccaag	tgctctttct	14400
ccattgatgg	ccaattaggc	catcctctgc	tacatatgca	gctagagcca	tgagttccac	14460
catgtgtttt	ctttgattgg	tggtttagtt	ccaggagact	ctgggggtat	tgggttagttc	14520
atattgttcc	tccatgggg	ctgcaaacc	tttcagcccc	ttgggtattt	tttctagctc	14580
cttcattggg	gacctgtgc	tccatccaat	ggatgagtga	gcctccactt	ttgtattttgt	14640
caggaactgg	cagagtctct	caggagacaa	ttatatcagg	ctcctgtcag	caaaatctcg	14700
ttggcatctg	caatagtgtc	tgggttttgt	ggttgtttat	gggatggatt	tctgggtggg	14760
gcagtcctctg	gattgtcatt	ccttttagtct	ctgtctccac	ctttgtcttt	gtaactccat	14820
ccatgggtat	tttgttcccc	cttcaaagaa	ggatcaaaaat	atccacactt	tagtcttccct	14880
tcttcttgag	tctcatgtgt	ttttcaaatt	gtatcttggg	tattctgagc	ttctaggcta	14940
atatccactt	atcagtgagt	gattatcatg	tctgttcttt	tgtgattgag	ttacctcact	15000
tagcatgata	tctccaggt	ctatccattt	gtctaagaat	ttcataaagt	cattgtcttt	15060
aatagctgca	tcttactcaa	ttgtgtaaat	gcaccacatt	ttctttatcc	attcctctgt	15120
tgagggacac	ttggtttttc	ccagcttctg	gttattataa	ataaggctgc	tatgaacata	15180
gtggaacatg	tgtccttagt	acatgttggg	acatcttctg	ggtatatgcc	caggagtgggt	15240
attgctggat	cttctgggtg	tactatgtcc	aaatttttgg	ggaaccatca	aactgatttc	15300
ctgagtgggt	gtacaagctt	gcaatcccac	accagcaata	gtggaatgtt	catctttgtc	15360
caagtccttg	ccagcatctg	ctgtcacctg	agtttttgat	cttagccatt	cttactgggtg	15420
tgaggtggaa	tcttgggggt	gttttgattt	gcatttccct	gatgtttaag	ggttttgaac	15480
atttttaggt	gcttattaga	catttgggtat	tctcagttt	agaaatcttt	gttttagctct	15540
gtaccacatt	tttgaatagg	gttatttgggt	tttctggagt	ctaacttctt	gagttctttg	15600
tacatatagg	atattagccc	tctatcagat	ttagaattag	taaggatctt	ttcccaaact	15660
gttgggtgggt	cttttgtctt	attgacagtg	tactttgcct	tagagaagct	ttgcaatttt	15720

atgaggtccc	atgtgtcaat	tcttgatcct	atagtacaag	ccattggtct	tttggtcagg	15780
aatttttccc	atgtgtccat	atgttcaagg	catttcccca	ctttctccac	tacaagtttt	15840
agtgtctctg	gttttatgtg	gaggtccttg	atccacttag	atgtgagctt	tgtacaagga	15900
gataagaatg	gatagattca	cattcttcta	catgctctct	gccagttgag	ctagaccat	15960
ttgttgaaaa	tgtgtctctt	tttttcccc	actggatggg	ttttagctct	tttggccaag	16020
atcaagtgac	cattggtgtg	tgggttcatt	tcttggtctt	caattctagt	tcactgactt	16080
acctgtttgt	cactgtacaa	ggaccatgca	gcttttttca	caattgctct	gtagtacagc	16140
ttgaggtctg	ggatgggtgat	tctaccagag	agattctttt	actgttgtga	ataatttttg	16200
ctatcatagg	atattttttt	atttcagatg	aattttacaaa	ttgctctttc	taactctgtg	16260
aacaattgag	ttggaatttt	gattgtgatt	gctttgaata	ctcaagatat	aattttacaaa	16320
acacatgaaa	cttaacaagg	actactaaag	tgcagatact	tcgatccttc	ttagaagggg	16380
gaacaaaata	cccatagatg	gagttacaga	gacaaagttc	ggagcagaga	ctataggaac	16440
gaccatccag	agggtccact	ggggatccat	catgtaaaca	accacccaaa	acagacacta	16500
ttgtggatgc	caagaagaac	ttgctgacag	gagttctgata	tagctgtctc	ttgagaggct	16560
ctgccagggc	ctcagaaagt	ggaggctcac	agccatccat	tggatggagc	acaggtccc	16620
caatgaagga	gctagagaaa	gtactcaagg	agctgaaggg	gtttgcagcc	ccataggagg	16680
aacaacaata	tgaactaacc	agtaccccca	gagctccctg	ggactaaacc	accaatcaaa	16740
gaaaacacat	ggagggactt	gaagctcttg	ctgcatttat	agcagaggat	ggcctagatg	16800
gtcatcaatg	ggaggagagg	tcaatggctc	tgggaagggt	ccatgcccc	gtatagggga	16860
atgccagggc	caggaagcag	gagtgggtgg	gctggggatc	agggaggggg	agatgatagg	16920
gcattttcag	tggggaaact	aggaaaggag	ataacattta	aaatataaat	aaagaaaata	16980
tctaattaaa	aaggattacc	tatgtgcatg	ggagctcatg	agcagcaggg	gtcactctaa	17040
ggccaataat	ccacatagag	cgatgagctg	tgtgtgaaca	ggactctgta	tcctctgtgg	17100
tttctttct	taagtgtatt	aactgatctg	tccagctgtg	attgacatgt	gatgtctcca	17160
tgtccaagcc	cagtaaagat	tctctgttaa	ataccctaca	gacttatgtt	tacttgtttt	17220
tatttgcctt	tcataatttt	ttaaaaagtc	atacaatgta	ttctaataac	tcattctccc	17280
atctccaatt	tattctaatg	tttctttaac	tcateccaacc	acacactttt	taattctgat	17340
aaagcacccc	ccccccaaa	aaaaaaccca	accaaccaaa	aaaaaaaaaa	gccaaggaat	17400
ttaaaagggg	attgaaagca	aataaaaact	aaacaaaaaa	gtaaaaacta	cacacacaca	17460
cacacacaca	cacacacaca	cacacacaca	cacacactca	cacacacaca	cacacaccac	17520
acacacacac	acccatgcac	gaacacacac	acacacacac	acacacacac	acacacacac	17580
acacacacac	acacatggaa	tccagtaaaa	ccacaactct	ttacccatga	tacacaggaa	17640
aatataagtc	aaacaaacag	aatggaagaa	ggtggtatta	taaaaatgtc	tgcacaaaata	17700
ccattaagtt	cattttcttg	ttggctacca	actgctaagc	ctgtctccct	tgattaattg	17760
tgttatcat	cccctatgaa	ctccattgga	ggacactaat	tttctctct	gtctccagga	17820
attgaagtgt	tgcagaactc	tcagtagctt	tatttacctg	cacaatacag	cctctaatec	17880
aaccagttaa	aattaccaca	tgagagactt	ccaaatgaaa	gaacaggtaa	agttgtctac	17940
tggcaagctt	agtaatatca	tgtaaatgcc	ttagaattta	atgacatatg	tcactctctg	18000
aggtaataaa	atccattttg	gtgcataat	accctgaact	caccactaac	ataatacaac	18060
aattaaaaaa	ttccaacatg	gatgcagagg	aatccctgag	ggacatttgt	tgatttgtga	18120
gcacaatata	attatttttt	gggggggaaa	tgtctgaatg	ttactctttt	accagtata	18180
atctattcta	ttaatgtgta	cataggtagc	actaattaaa	atcactgtgt	tatcaggtaa	18240
tgaacacagag	gaagttaggat	gctgggaaac	agacttttgg	aagggtccaa	gggaaaccac	18300
agggacctag	tgggtataga	ttatgggtgag	agtcctgaga	gtgggtcatag	attatagcat	18360
atttcatatg	caattgaaaa	tttcaaagaa	tgaaaatcct	tatgaaatat	agaaataaca	18420
actttactta	tgtacatata	cttcatagta	caatttttac	actgtgcata	tttctcctgt	18480
aacatctggg	tcctctctatt	ttcctttatt	ctcctagaca	atttcactga	tacaatctca	18540
tgtttttgta	taaatagttg	tatataacta	ttaaatacat	aagctgttaa	tgagtcttca	18600
ttaatgtctg	tgattttttt	attgtcttaa	ttataactat	tatctctaat	tgcatccaca	18660
ttttcaaaag	caatgtaaat	ttcttactca	tttctgttca	aaaacttctg	ttgttgtatc	18720
attaccatgc	cttagtgata	aaatcctttc	ttgacacatc	tatagctatt	gctataattt	18780
agttattgat	gatcctcctg	caataatcat	tgataggtaa	atatttttaag	cacttttact	18840
tttagtcatt	ttagttagat	ttgaagtagt	atataacctg	ttggaaaggc	aaatattaat	18900
tccatatatg	tgaagaaga	cgctaaaact	aaaaacatta	gccactttta	gatattctct	18960
ccttctctct	ccttctctct	ttcttctctc	tcttctctct	ccttctctct	ttcttctctc	19020
tcttctctct	ccttctctct	ttcttctctc	ctcctctctc	ttctcctctc	ccttctctct	19080
ctcctctctc	tcctcctctc	ttccttctct	ccttctctct	ttccttctct	ccttctctct	19140
ttccttctct	ccttctctct	ttccttctct	ccttctctct	ttccttctct	ccttctctct	19200

ttcctttctt	tctttcttct	tttctttctt	tctttcttct	tttctttctt	tctttcttct	19260
tttctttctt	tctttcttct	tttctttctt	ctcctctctc	tttctttctt	tttcttctct	19320
ccttcacctt	cccttctctt	ccttcttctt	ttcctctctt	ccttctctct	aatctacaat	19380
ctgttaacat	attaacatgt	cccagagtag	agcaacagac	tcaggtcaaa	catctactga	19440
gaaatttgcc	catgtagtta	acatctacag	catctgtcta	ggggttadca	aaagtctatg	19500
ggatacaatt	cctcagaaag	gaataggatt	tggacctgag	catactgctg	cctaacacat	19560
gaaatggcag	ttcttctcca	gctggactag	gtccttaact	aagaaatgca	ctgctcatga	19620
atatgcaaat	tacccaagtc	tatggcagta	aatacagaga	tgtccacacc	ctgaagacaa	19680
cctatgaaca	atgttctctc	cacagtcctt	gaagacactg	attctaggac	cgaagtctct	19740
attccgaagt	tcctattctc	tagaaagtag	aggaacttct	cgcgctctg	gcctccgagg	19800
cctccgcgcc	gggttttggc	gcctcccgcc	ggcgcctccc	tcctcacggc	gagcgttgc	19860
acgtcagacg	aaggggcgag	cgagcgtcct	gatccttccg	cccggacgct	caggacagcg	19920
gcccgcgtct	cataagactc	ggccttagaa	ccccagtatc	agcagaagga	catttttagga	19980
cgggacttgg	gtgactctag	ggcactgggt	ttctttccag	agagcggaac	agggcaggaa	20040
aagtagtccc	ttctcggcga	ttctgaggag	ggatctccgt	ggggcgggtga	acgccgatga	20100
ttatataagg	acgcgcgggg	tgtggcacag	ctagtctcgt	cgcagccggg	atttggtctg	20160
cgttctctgt	ttgtggatcg	ctgtgatcgt	cacttggtga	gtagcgggct	gctgggctgg	20220
cgggggcttt	cgtggccgcc	gggcgcgtcg	gtgggacgga	agcgtgtgga	gagaccgcca	20280
agggctgtag	tctgggtccg	cgagcaaggt	tgccctgaac	tgggggttgg	ggggagcgca	20340
gcaaaatggc	ggctgttccc	gagtcttgaa	tggaaagcgc	ttgtgaggcg	ggctgtgagg	20400
tcgttgaaac	aagggtgggg	gcattggtgg	cggcaagaac	ccaaggtctt	gaggccttgc	20460
ctaattcggg	aaagctctta	ttcgggtgag	atgggctggg	gcacatctct	gggacctga	20520
cgtgaagttt	gtcactgact	ggagaactcg	gtttgtctgc	tgttgccggg	gcggcagtta	20580
tggcgggtgc	gttgggcagt	gcacccgtac	ctttgggagc	gcgcgccttc	gtcgtgtctg	20640
gacgtcacc	gttctgttgg	cttataatgc	aggggtgggg	cacctgccgg	taggtgtgct	20700
gtaggctttt	ctcgtctgca	ggacgcaggg	ttcgggccta	gggtaggctc	tcctgaatcg	20760
acaggcgccg	gacctctggt	gaggggaggg	ataagttagg	cgctcagttt	tttggtcggg	20820
tttatgtacc	tatcttctta	agtagctgaa	gctccggttt	tgaactatgc	gctcgggggt	20880
ggcagagtgt	ttttgtgaag	tttttttagg	accttttgaa	atgtaatcat	ttgggtcaat	20940
atgtaatttt	cagtgttaga	ctagtaaat	gtccgctaaa	ttctggccgt	ttttggcttt	21000
tttgttagac	gtgttgacaa	ttaatcatcg	gcatagtata	tcggcatagt	ataatacgac	21060
aaggtgagga	actaaacctt	gggatccggc	attggaacaag	atggattgca	cgcaggttct	21120
cggccgcctt	gggtggagag	gctattccgc	tatgactggg	cacaacagac	aatcggctgc	21180
tctgatgcgc	cgtgttccg	gctgtcagcg	caggggcgcc	cgtttctttt	tgtcaagacc	21240
gacctgtccg	gtgccctgaa	tgaactgcag	gacgaggcag	cgcggctatc	gtggctggcc	21300
acgacggggc	ttccttgccg	agctgtgctc	gacgttgtca	ctgaagcggg	aagggaactg	21360
ctgctattgg	gcgaagtgcc	ggggcaggat	ctcctgtcat	ctcaccttgc	tcctgccgag	21420
aaagtatcca	tcatggctga	tgcaatgcgg	cggctgcata	cgcttgatcc	ggctacctgc	21480
ccattcgacc	accaagcgaa	acatcgcctc	gagcagcac	gtactcggat	ggaagccggt	21540
cttgtcgatc	aggatgatct	ggacgaagag	catcaggggc	tcgcgccagc	cgaactgttc	21600
gccaggctca	aggcgcgcct	gcccgcgggc	gatgatctcg	tcgtgaccca	tggcgatgcc	21660
tgcttgccga	atatcatggt	ggaaaatggc	cgttttcttg	gattcatoga	ctgtggccgg	21720
ctgggtgtgg	cggaccgcta	tcaggacata	gcgttggtta	cccgatgat	tgtgaagag	21780
cttggcggcg	aatgggctga	ccgttctctc	gtgctttacg	gtatcgccgc	tcctgattcg	21840
cagcgcctcg	ccttctatcg	ccttcttgac	gagttcttct	gaggggatcc	gctgtaagtc	21900
tgcagaaatt	gatgatctat	taaacaataa	agatgtccac	taaaatggaa	gtttttctct	21960
tcatactttg	ttaagaaggg	tgagaacaga	gtacctacat	tttgaatgga	aggattggag	22020
ctacgggggt	gggggtgggg	tgggattaga	taaatgcctg	ctctttactg	aaggctcttt	22080
actattgctt	tatgataatg	tttcatagtt	ggatatcata	atttaaacaa	gcaaaaccaa	22140
attaagggcc	agctcattcc	tcccactcat	gatctataga	totatagatc	tctcgtggga	22200
tcattgtttt	tctcttgatt	cccactttgt	ggttctaagt	actgtgggtt	ccaaatgtgt	22260
cagtttctata	gcctgaagaa	cgagatcagc	agcctctgtt	ccacatacac	ttcattctca	22320
gtattgtttt	gccaaagtct	aattccatca	gacctcgacc	tgcagccctt	agagaagttc	22380
ctattccgaa	gttcctatct	totagaaagt	ataggaactt	cctagggttt	caccggttta	22440
atggcatgtc	ccctgttagt	ggttcatgca	agcagaagct	gtatcctgtt	tgacaaagat	22500
tcagcatgaa	aggtcctgct	acctaaaaaa	aaatagacag	atgagattta	attaacctaa	22560
ataatttttt	tcacaacaac	agagtgaata	cgcaattttac	agaatgacag	aaaacttttg	22620
cacactttgc	ctgtgacagg	gaactaatat	gaagaatttg	caaggaaactc	aaacaactct	22680

acaacaacaa	cagcaacaag	aaccaataaa	ctccgttaaa	atgagcaaag	gacatgagta	22740
gacattttca	aaagaacaca	tagaaatgga	taataaatat	ataaacaata	ctcaacatca	22800
ctaaccatca	gggaaatgca	aattaaaacc	acaataagat	atcatcttcc	accagtcaca	22860
atgactatta	ctaaaaactc	aaataaatatc	agatgttgct	gaggatggga	aatgaaggca	22920
actcttagac	attgttgatg	aggatgtaga	tgagtacaac	ctctgtggaa	aatgggtatg	22980
agatttccca	gaaaactaga	aatagaactg	tcatttgggtc	cagcaatccc	actactgggt	23040
aactacccaa	aggaaaataa	actattatft	caaaaagata	cccaccttct	atgcttacca	23100
taaaactact	ctcaatagca	catatgtcaa	actgagtgtc	tgccaaccga	tgattttata	23160
aaagaatata	gcatgtatgc	acaattcaat	actagtccgc	cacaataagg	aatgaaactg	23220
tgtcttttgc	agcaagatgc	atagaagtgg	gggacaatat	aattagtga	ctaactcaca	23280
aacagaatgt	caatgtcac	acattattac	ttgtaagtgg	gaggtaaaca	gcgtgtacac	23340
aaggatttgt	agagagaaat	tacacacatt	ggagacttac	aaggatgggc	gggcagaagg	23400
tgggagcatg	atgagtcatt	acataacagg	cacaatataa	aataattaag	aattgacca	23460
tgatcttaaa	attaaaatgt	agaatgat	caataaatga	acttgatatt	agttgacctc	23520
attaaattta	aaaacttttt	ctactcaa	gactgtaaga	aaatgaatgc	ccggttacag	23580
atgagaaact	gtttgcgagt	caaataacca	ccaatgtaac	tataataaga	aacttcagaa	23640
ctcaactgtg	aataaaaaag	aaacaactga	tggataaatt	aggcaagggt	ttctacagac	23700
atttcgtcaa	agaagatgtg	cagatgacac	tgaagcatat	aaacaggatc	tcaacaggat	23760
tttccggttag	agaaattcaa	atcaagccc	caaagagaca	ccactgtaca	ctttttaaaa	23820
tggctgaaat	taagaagaaa	tacagataac	atcaatgctg	gtgagcatac	caggttgcta	23880
gaggctaaaa	cattgtcaac	aggaatgcaa	aatgaaacag	atactcagga	aaataatttt	23940
tagttttctc	taaaatcaaa	cataccctta	acacctgaat	atttgcata	gagaaaaaca	24000
atcttacatt	cacgcataac	ttctattcaa	atattcaaga	tatcgtgtgt	atgtgtgtta	24060
gaaagtaaaa	ataacataaa	tgtctcaaaa	tttgaatagg	tgaagaacta	ggaagcatct	24120
ataaattgaa	taccaccagc	aataaaaaaa	taacaagtga	ccgatacata	aactattaca	24180
ggtgaaactcc	agacattgtg	ctaagtgaga	gaagccagtc	tcaaagatca	aagggacaca	24240
gctgtaagca	ccacggtcat	cctcaggtgt	cagtggtttg	ggctggactt	tctgtgtctc	24300
tttctgacc	agaccagat	attgagctcc	accacttgca	gatggaaaat	cctattttca	24360
accatgcagt	gagggttgaa	ctgcttcaca	gactgaacga	aacaaacacg	ggctcctttg	24420
aacagcgctcc	ggcatttgtt	ccaaccacaa	gagaacgtcc	ctcagctctc	ccacctcctc	24480
ggtttctctc	tgcaagccag	cagccctgca	gtttagcctg	catctcccgt	gcacccaccc	24540
atctccctcc	aagcactctc	ccccacccc	tccactgttt	ctgagagcac	aggcaggctt	24600
tgaacttttc	cgcattctgt	tgttattgaa	gttaggatgt	ttaggacca	cttaaggatc	24660
atattttatg	actgaattcc	agtccccctt	ctctcctggg	acagagtgc	taaccaagtt	24720
tctgcagggtg	gagacgaagt	tgagcttttt	tcttctcag	cctaggagat	gagcgcta	24780
tggagggttg	gcagaagctt	cccaccatcc	cagcactttg	gttctgggtg	ggcggaatcg	24840
gtgccatagg	gcagagctag	aaaccgcgga	ctgaatgttc	ccagtggcac	tggaccagg	24900
gcagagcctc	catccacgag	tggggctcta	tggagaaggt	gagtctctg	ctctcagtag	24960
ctctcgtcca	gcactgaacc	tcagcatcat	gtgctgtgtg	cagggtcaga	gggccaacgt	25020
actggccctt	gggaaagcgt	ttctctgtgt	gggagttggt	agaaggtgtc	ctgtctctt	25080
ggctgcactc	gtccgcagtg	gagtttacat	catgctgagc	tgggatgtgg	aaggaaggaa	25140
gagcatctta	gatcaaatat	gatgactggc	cttactgagt	ttctagatt	ttcctgaata	25200
aatgtttctt	cactcaactgt	gtgctgttag	agtctttcca	aacctgta	ttcccaaat	25260
aattttcact	ggtctcatga	gggcatggat	tcattgagcc	cctcatgctg	tcaaagagaa	25320
atagaactgt	tttttttttt	cacttcatag	cgaacatcca	tgggttatca	aataatgggc	25380
tggcttttct	tccaacactt	tacagacacc	atcaattttc	ttcttgctta	taaggtttta	25440
accagaagaa	tgtgtcatg	gtcttttctg	ttcttttggg	aggaatgcc	cctctactca	25500
cctccacttg	tctgcctgta	ttctattttg	tctttgggtt	tcaacaattt	taataagatt	25560
tacctaaatg	tgtgtggggg	gagcatgggg	tgttattctg	ctgttctgtg	ttctctgaga	25620
tgcatggatt	caccattttac	tctgtctcca	tttttgtgaa	aacaattaga	aaaaaagtca	25680
gtatgagccc	agaaacaagc	ctccctgaag	tgggcacagg	accacctggg	ggcgctcagg	25740
accactgaa	cacaagagcc	agccccagg	caggtgcaga	tgcgggttaa	gttctgggtt	25800
cctgtcaacc	ctgtggcttc	ctctccataa	aacagtttcc	tttgtggcat	atctctggat	25860
tctttatcct	gttcttctctg	tgaagtctct	gaagaagaaa	catttgtcgt	aacaagagaa	25920
aaactttctc	acatgcacca	aaggcagagt	cacctacagt	cacttactcc	tgtttctcaa	25980
tgtcaataag	ttaccaatgc	ttctgaagtt	aatcagctaa	atctataaaa	ggtgcggtgt	26040
ttaactcagc	attacagccc	agctcaacag	aactccaaag	gtcagccagc	agcagccagg	26100
aaaaagtgca	tgtctgggcat	tggggcagag	ggagttacca	tccagtgc	gagaagaaag	26160

cccccggtg	ggtcattgtc	aggactccaa	tcccacagtt	ccaattgtag	gtgatgccag	26220
gcaaagggaag	agagacccca	ccaatgggta	gtgtggatgt	cgagtttgat	gtttccacac	26280
tcacactcca	ggtgaatatg	aaaagattta	ttagctctat	ttctgaggtg	tctgctgaga	26340
gcagcacagt	cctctcaaga	aattacagat	tggaaatttc	tcagtagagc	aggaaaggag	26400
gctggctcag	ggctttataa	tgattttggtg	gtgggggtcgg	cggggggggg	ggggcggttc	26460
tactcaggag	aaggagcttg	tgtgatttaa	acctcacact	gacatcacat	gaggagagctt	26520
ccatgatttc	ttactagatt	tcccatgtgt	gggggacaag	gatgaggag	aataaacctt	26580
aattcatcag	catcaaggca	ccaaaaatag	gacctgacac	tttattctcc	ctagcagctt	26640
aagaaaatga	gtgaaaaaga	gagataagag	tccacccatg	tgtgaaaaag	catagctctt	26700
ggtaaagacg	agaaaaaggc	actcctacga	agaaggggtt	gggcagaagc	tttatgtctga	26760
aggggtttggc	taaagagaca	taatcaacag	gttacaggag	gggctactga	tgttcattgga	26820
ggtggctcctc	acacatgcac	actgaacaaa	catgtctgtga	acgtatgacc	cctgttcact	26880
taccagtggga	gacttagcat	ttaaattcat	tccagtcagg	ccctatgtgc	aaacagcaga	26940
agcagagaca	caaagggtact	cagggtgcag	cctctgtgaa	cgccagagac	caggccatgg	27000
tcagcgggtct	cggattagga	gaaagtctct	gatatcactg	tagtgttcaa	tcaaagctgg	27060
ggttatgggt	tgtggaacag	gggtcagttc	atcagggggg	gggctgcaat	tgtcttcata	27120
gtgcttgtct	cagtgcgggt	gcttactgag	ccactagaga	aaaagggtta	attgagcttc	27180
tttaaaatca	acattttgaa	ttattttatca	gacgtttcaa	atatgtcatg	ttgttttagat	27240
tctattgtctg	gagagttaag	gtgatatttg	gggttttgta	actctgtttt	ttcatacttc	27300
ctgaattgct	tatctgtttg	cttttcatta	gctaaactat	cgttcttctt	tattttttta	27360
ttcattctga	ttltgatgaa	tatttaattc	cctttagaat	gtgaatataa	tgtacattgt	27420
gtgggtatttt	tgattttggg	tcttgggtta	cttagtgga	aagactctgt	aagagttcct	27480
tgtctataga	tagccattat	ttagtggctt	tctgaaatgg	tggttttagt	accaaagtac	27540
tggacttgtg	agtaggctca	ctgccccctg	caggctcctag	atagtggagg	cctcaggaac	27600
tgtttctcat	ttggaatgcc	tttgtttcag	cagattttgt	gttgggttgt	taagttcacc	27660
ctccacatta	gtagatgtcc	ttacagatta	gagctgactc	tggtagaagc	agttgagtgc	27720
atgcttgata	tctgtgcaca	gggagaagct	ctctgttgcc	tcaggcgatg	gactgggtcta	27780
tgaaatgcac	agtgacctga	gttccctgct	cagccctga	gaggtggacc	aagctggaca	27840
cacatgagcc	accgagcctg	gcaagcaaaa	gcgccagcct	tgatggaaat	ggcgagctga	27900
gcggcactcta	ctcagtgtgg	tttcttttgt	tattaagagc	tttagtgtgg	tggctgtttc	27960
aaattcccg	tgtagtagta	atatactggg	tatgtgagca	ggcccgtgg	cttttgccgg	28020
ggttgaatca	ccgaagtaat	gagaagctaa	tctcattttc	aactgctgta	cactggtgg	28080
attgagtttg	tatgaggtca	tgcagtttga	acgtcaggcc	agtaggtgg	gctcgcagg	28140
aagagccggc	tatggtggca	gcagaagggt	ttatgcttta	ctggtgatta	aagtgggaaa	28200
cttggcgtgt	tccagatctt	agagaaaaaga	tttttagtta	tttctcatte	aacctgatac	28260
tacctgaaag	tctctcgaat	gtaactttta	ttttgtcgag	atgggttctt	tctataccca	28320
ttttttatgt	tttttttgtg	aaaggatggt	gtttcatcaa	atgcgttttc	agcatcaatt	28380
gaaaaaagtt	atatgtggat	taaagatcaa	aatgtaaaac	ctaacactat	aaaacctctg	28440
gataataaca	taggaaacag	aatttaggag	gtaagaactg	acaaagggtt	tataatgaaa	28500
atgctagaag	tagttgcaac	aaaattgaaa	attgacaaat	gggacctaa	taaattaaag	28560
aacttctgta	cagcaaaaaga	cactatcgac	agagtaaaca	ggcaacctac	agaatgggaa	28620
ataaaatatt	tgcagcctat	acatctgaca	aaggctcgac	acttagtata	tacatggaaa	28680
tttaacaaac	atacaagaaa	taaaaagtga	ccaaagggaca	tgaaaagaca	cttcaaaaaa	28740
gacctacatg	tggccaacaa	gcataggaaa	aaatgctgaa	tatcactatc	attagagaaa	28800
tacatatcaa	aacctcaatg	aggtaccgtc	tcacatcagt	caggatggct	aatcttaaaa	28860
aaaaaataac	agatttttaa	ggttacagaa	aaaaggggaa	atttatacac	ttttggcggg	28920
aatataaatg	agttcaacca	ttgtggaaag	cagtgtgggtg	atccctccaa	taacctaaaa	28980
cagaagtttc	atttgaccca	acaatcctac	aactggacat	atacctaaag	gaatataaac	29040
atgtagggtc	actgcagcac	tatccacaat	agcatagaca	tggaaatttac	ctaaatcccc	29100
atcactggca	gaatgataga	gaaaaatgtg	gtacatacaa	ccatggaata	ctatgcagct	29160
aaggaaagaa	tgaaactatg	tctttttag	gaacatgatg	gaactggcag	tcaatactct	29220
tagaaaacta	attcaggaac	agaaaaccag	atattatata	ttctccctta	tttgttggag	29280
ataaaataaaa	gcaaatattc	ttccagggcc	tgagtcttcc	ttattcaaca	agtcattcta	29340
aattaagtgt	tcaagagtt	gctgatactc	atctaaatat	tctatttcat	ctgggccact	29400
tacatcactc	aaaaagcaat	gagagctata	tttctaaggg	gggttctagg	ataataaata	29460
cctgaatagt	gagaatatga	aggatatgga	aactgggcca	cttatatcac	tcaaaaagga	29520
atgagagcta	tattttataag	gggggttcta	ggataataaa	tacctgaata	gtgagaatat	29580
gaaggatatg	gaaactgggc	cacttatatc	actcaaaaag	caatgaaagc	tatatattaca	29640

aggggggttc	taggataata	aatatctgaa	tagtgagaat	atgaaggata	tggatggttt	29700
ttttttaact	caatgggcac	ataactgtgg	gagatactat	attcctatga	agaaggtatt	29760
cagacttcag	agataagtaa	tgtttccctac	atttgtgcttg	tgacttggaa	gcagtggatt	29820
gaagagtgtg	ataagtcccc	agaccaagca	gaacagaaat	cagcatgtaa	agatgatgat	29880
ctatggatat	gatctaaaaac	catgtaaata	cttcaataaa	ttctattttaa	tcagtttga	29940
aataaaaacac	aaactttatc	aaaatacaaaa	ttacttggta	attatttttgg	gagctatgag	30000
ttcaccaaga	aactcaaat	cctattttcta	tttcaacccc	tgattccctac	tgtcaatggg	30060
agggaagtct	cagaaccaat	cacacatcag	acggcaaatc	tgtcaaccaa	gagtctttcc	30120
actgaaggac	ctggggaggtc	aggacctca	ggaaagtgt	ggggaccctg	tcttgggagt	30180
gccagcaga	tctcagaact	ctccatgggt	cctgtctggac	actcatgtag	ggtaacgagt	30240
ggccaccttt	tcagtgttac	cagttagctc	tgagtgttcc	taatgggacc	aggatgggtc	30300
taggtgcctg	ctcaatgtca	gagacagcaa	tggtcccaca	aaaaaccag	gtaatcttta	30360
ggccaataaa	atgtgggttc	acagttagga	gtgcactcctg	gggttgggt	ttgttctgca	30420
gcgggaagag	cgctgtgcac	agaaagctta	gaaatggggc	aagagatgct	tttctcagg	30480
caggatttag	ggcttgggtc	ctcagcatcc	cacacttgta	cagctgatgt	ggcatctgtg	30540
ttttctttct	cactctagat	caggctttga	gctgtgaaat	acctgcctc	atgcatatgc	30600
aaataacctg	aggtcttctg	agataaatat	agatatattg	gtgccctgag	agcatcacat	30660
aacaaccaca	ttctctctct	gaagaagccc	ctgggagcac	agctcatcac	catggactgg	30720
acctggaggt	tctcttttgt	ggtggcagca	gctacaggta	aggggcttcc	tagtcttaag	30780
gctgaggaag	ggatcctggt	ttagttaaag	aggattttat	tcacctctgt	gtcctctcca	30840
caggtgtcca	gtcccaggtg	cagctggtgc	agtcctggggc	tgagggtgaag	aagcctgggt	30900
cctcggtgaa	ggtctcctgc	aaggcttctg	gaggccacct	cagcagctat	gctatcagct	30960
gggtgcgaca	ggccccctga	caagggtctg	agtggtatggg	agggatcatc	cctatctttg	31020
gtacagcaaa	ctacgcacag	aagtctccagg	gcagagtcac	gattaccacg	gaccaatcca	31080
cgagcacagc	ctacatggag	ctgagcagcc	tgagatctga	ggacacggcc	gtgtattact	31140
gtgcgagaga	cacagtgtga	aaaccacat	cctgagagtg	acaaaaacc	tgaggagaa	31200
ggcagctgtg	cgggctgag	gagatgacag	ggtttattag	gtttaaggct	gtttacaaaa	31260
tgggttatat	atttgagaaa	aaaagaacag	tagaaacaag	tacatactcc	tctaatttta	31320
agataaatat	tccattcaag	agtcgtaata	taagccaaat	tcacagagtg	gaagctcgag	31380
cgcccgccag	tgtgatggat	ggtacctaac	tataacgggc	ctaaggtagc	gagggatgac	31440
agattctctg	ttcagtgac	tcagggtctg	cctccacgag	aatcaccatg	tctttctcca	31500
agactgtgtt	ctgtgcagtg	cctgttcagt	ggaaatctgg	agagcatgct	tccatgagct	31560
tgtgagtagt	atatctagta	agccatggct	tttgtttaat	ggtgatgttc	tacataccag	31620
ttctctggct	taataatgag	gtgatgatc	tatgttctctg	taacgcttcc	tcaactgggt	31680
cctaagtctt	tcttcactcc	atctatttct	ctaagggaatg	atcctgaaaa	tcccatcaca	31740
aactatagga	gatgggaacc	atcaaaaaac	acagtgacaa	agaggtggga	acgcatcagg	31800
gttcaggaac	catattttta	aaagatatcg	taaataactt	cttaaaagag	atatagacaa	31860
atctccatta	atacggagac	cagaggccta	aggctaagaa	ccaatgggtg	ctcaagggtc	31920
cctgctaacc	gaggagcaaa	cgtagagcag	tttctaatga	tttattttaa	atatagaatc	31980
aaaagtacca	gtttgcaatt	ttgaaagatt	tatttcagca	atgcaacaac	atcagggtgg	32040
gcccagtcga	acacgtctta	tgtcccatga	tataaacaaa	ggccatccag	aactgtggac	32100
tggagttcta	ccttgtcccc	taatgacatt	cagatttttt	ttccattctc	tttatcttag	32160
aggagacagg	gggctaactc	attttacttg	tcttttgctt	gttcttgcca	agaacgtaaa	32220
gcagcttgca	agtcttcaaa	cctaaatata	ttagtaactc	ctacacgagt	ggcaatgcca	32280
aagagcagtg	caacaaagag	gaagtaaata	cgaccaaaga	gtattcttaa	atacactact	32340
ggctctaggt	tctgttttat	tatgcgcctt	tgaaccggag	gggaccctac	gtctatgctc	32400
ccactgtgtc	cctcttcttt	gcactttgga	gggtctcaac	caaaatggca	atggcaattc	32460
cgacgattgt	tacacactcc	tctgaaattg	catttttctg	gggtgcagtc	ataacccaaa	32520
cgagataaac	ttccattgca	agctcctcga	tcacagaact	tacccttga	acacggggta	32580
ccatgtctca	ccaatccagc	atctgctgtt	tctgtccac	gatgttcac	aagcccaaa	32640
caggtaaccc	cagagataac	cgattgatgg	aatgaaacat	gttcttgcaa	aaatggaaga	32700
ttgggtgacat	tggtacactg	caaccttcca	cacagcttgt	cctgatcagc	acaagcattg	32760
aatgtgaggc	tcttctctgc	tctagtacaa	tgcccataatc	gaaacogtgc	tttgttgatg	32820
tcatagcaact	taatattagc	attcttagca	cttacaccaa	agatttccat	gcattgtatg	32880
ttgcgatcag	tgcagttacc	tttatagcag	taacctctct	ctgagcatgg	tgtcccatct	32940
tgcagataag	tgtcatctgg	gcaaatgaac	ttagagccac	tacagtactc	tggaagatca	33000
catatgttct	ggataggtct	gcagagtgtc	ccagaaggac	tgttaagtgc	atgtgcacag	33060
cataattctt	tatcacaat	gctaccaggt	gttaacctgc	aatcatttcc	acagcaggga	33120

tctgaataac	atgccttttg	ggagccacag	tcacactgct	cattgtttatc	tactttgaag	33180
tttccacaaa	acttataagt	caatgatgta	ttataataaa	catgacggtc	atagaaaaga	33240
catggcatca	gatcaggagt	attaagtatg	ttgcttatct	ctgcaaggga	acaattgctg	33300
aaagcatctg	ttaattgagg	atTTTTgaac	atgatgcagg	tgttccttct	ctggcagata	33360
cagtaccctc	catcatgttt	taggcctaaa	ctccttccaa	cacgattggt	tattataata	33420
gataaaaaata	aaggatttcg	accatgttga	ccaagacaaa	ttagggctga	gggagaacat	33480
atactcctct	cagctggatt	aacagcatca	tctcctggcg	aattcttggt	aattatagct	33540
cctgcacacg	gcctaaaatg	agcataaaat	actctctcat	agaaagtatg	agcctgccct	33600
cctggaactc	gaaaatcttg	tgaaaatgga	tcagcctcgg	tatacacagt	catgagaaag	33660
acatagtacc	gcatatgaag	attgggtcaga	taggtgtcca	ttaaactaat	gacttttaac	33720
aaataactca	cagtagatga	aagtttgtca	cctccagaag	cactatatac	agaatgggtt	33780
gcttgaaaagt	ggccttttat	agcagctgga	tgtgtagcgt	aattcttact	agatagtctg	33840
ggagctccat	ctgcatattc	caatctggag	gagggagaac	ctgtattatg	gctccagtgc	33900
ttccatgcat	tcataggccc	tgtgtcatca	gactcagata	ctatctgaga	aacaagggtg	33960
tcaaagctct	gtgaatcatt	gaggggtttg	atttcatagg	taaggttatc	caactttatg	34020
acccctgaca	ggccccata	acaagtatcc	acagtgacca	tggattgcag	gatccctccc	34080
aggtagccaa	tatagtaaca	atctacagga	aaaaaggggt	actccatctg	taaggctcct	34140
tggctcatctt	gagttgtcag	caacaagtgt	ctggggccaaa	tgagtgtctt	tctccgcagg	34200
tggatgatat	gtctctggcc	ccgaaaacgc	aagctatacg	agagcagctc	ttgtgcttga	34260
agtccttttg	tatggtagat	ctccttccga	ggaataacca	cctccgatga	gatgtaacgc	34320
caagtgggat	ggccttgaga	acaccagact	ggaaccagga	ggagcagcca	gagtgcaaat	34380
agcaaggagg	ggaccctggg	gaccacaggt	ctttccacta	gcctcatgcc	ccaggtcaga	34440
gataacatcc	tgggtggagc	taactccctc	tgctgtggcc	actgcctggt	ctagaaaata	34500
ctgacagagg	actaaaaacc	tctcagggtc	cccaacctaa	gtgggtaccc	agacaactgg	34560
agttaggtaa	cagtcactgg	gtgtggcagg	aattgagtct	gaatgtgtta	gctgagggtg	34620
aggttaaata	ttgtcaaaag	ggatgtctat	aatgtgcctc	ggacaagaaa	agtcagaagc	34680
agcaaggagt	gtctctgaca	ggctcaatcc	tttcttttct	ttttttgaag	ttcaaaatat	34740
catttccacg	tgaatgtatt	tgggtccccag	tgtgactctg	ggtctctttc	taggagtcac	34800
tatttcttta	tatcttggct	catgtttttc	acagttgttc	taacttcttg	ttttgttttg	34860
tttgtttgtt	tgtttgaaag	ttagaagtaa	atactgtcta	tattagcctt	ttagctataa	34920
atgattgttt	ttatttcttc	taatcatggt	ttgtttgagt	tttgggttaa	ctatttataa	34980
atgagttttt	tttttccctt	tgggtgttgc	tcgaaagttt	ggagctttct	gttaattattg	35040
tgttgtttgt	tctccaatat	tattagacct	gagaaltcta	cctgggtacc	tgtgaactcc	35100
agaattttta	aaaattccat	ctcttgggaa	cattatctct	gaccccgctc	gaggccgaag	35160
tggctgtccc	cctccaacct	ttagtatctt	tctttcctga	ctattgggat	ttcttcaagc	35220
aatcaggctg	atgggttctc	agcagtgaga	ccagtagact	gtcggtatga	acgtogaaga	35280
gtctgccaca	cactccgggt	tcataacacg	tgttttcgcg	tctcttactt	ttgtagaagg	35340
aatgcagcc	tctgagtttt	ctocaagaaa	tcattgatga	aaggggtgaa	agatgggtat	35400
caccgcggat	tcatgacaag	ccttggtcca	gacacgtgag	caagggtctac	agcccccagg	35460
ataggctgcc	ctgcaacatg	tatttataag	ataggagaaa	aaaatgggta	gttggagggt	35520
tgatcaactt	acttctcttc	aaacatatat	atctcatcta	agtgtgcagg	ggaaaactct	35580
gtagaactac	tgggatacct	gtccaccccc	aggagcctca	tgaataagtc	tctgcttctg	35640
ccttgtagcc	atgagcatta	ctgcacctga	taccctgcca	gcttccatag	gaagagggag	35700
gaagtgactt	ggccctgtgc	tgggttaagg	aagaggagat	aatcccttcc	tcattgatta	35760
gggtgagagg	ggctcatgtc	tctatcattg	gtgaccaggt	tgggacatgg	gtttatacca	35820
aagtcacac	tctgaggttc	tgtgtaccac	caggetgaac	tcccatatcc	tacatggaca	35880
taggacaaca	ccaagcagaa	ggagggtttt	ggactaaact	gaaggacaga	gatgcgggtt	35940
ctaaacaact	agggagtgcc	agggccagcc	tctctaacca	ctataggaca	ctgtggagtc	36000
tggttacaaa	gagagattac	tcaaggctct	tagcactgat	tacagagcat	atctcagatg	36060
ccttctgctg	accagatgta	tctttgcata	atctgcctat	ccagattcag	aaaattgatg	36120
ccacatagcc	aagtggactt	tcagggaacag	acgattttaa	aacaggcgaga	gagatgtgag	36180
agaaaggaga	aggagagaga	gaagggagag	ggagagaaga	gagagggaga	cggagaagga	36240
aagagggaga	aggagaagga	gagaaggggc	atggacagag	ggaggggacag	aaggagagag	36300
gagatagaga	gggggataag	gaagaaggga	gggagggaga	gagagagaa	gctaagtctt	36360
tccatacctg	ggtcccaata	cctcttataa	cccaagcaca	tgggtttcac	tatcacaaatg	36420
cgggttgggat	atagataact	gtaaataact	gtgaaaataa	tggggctgag	atctgggggt	36480
ttcatgatag	tttcaaagtc	accgtactga	ctaaaacctt	ccactggccc	atctccagct	36540
tcctaactctg	agggtatcaa	atttcccact	aagtgtgttt	agaaagatct	ccaccttttt	36600

gcccttgtct	tecagtgc	cacctacgtt	ctgggtctcc	acatctgatg	tcttctcagt	36660
gattctggcc	ctgcctgtc	cacagctaca	aaccccttcc	tataatgagc	tctgtgtctga	36720
gccatcatcc	tgaatcaatc	caccttaagc	agatgttttg	cttatttttc	ctgtgtccat	36780
actacagagg	aaaggttagc	atgtagaagc	tgaagcatct	cacctcattc	caagcacccct	36840
cagtctctaa	atgtgcccc	ttgtttccag	aagtgcaccc	tcaagcatct	tttattcatt	36900
catcttagag	ggccacatgt	gctgtagtgt	tataagatga	aatttaaagc	attaattatt	36960
cctaacaagc	caattaaaca	agccaaaaac	attcatcagt	cattcccatg	gaacctctga	37020
agcatcttcc	tgtcttaacc	ttgggttttc	cagggctgct	ctgggatcac	aggagctgtc	37080
ctgtctacca	gccatataaa	ggcagacctc	tcagaattac	accagacttc	tcaccataga	37140
ctataaaagc	cagaatatcc	tggacagatg	ttatacagaa	actaagagaa	cacaaatgcc	37200
agcccaggct	actataccca	gcaaaactct	caattaccat	cgatgaagaa	accaagatat	37260
tccattacaa	gtccaaattt	acacaatctc	tttccataaa	tccagcccta	caaaggatag	37320
cagatggaaa	actccaacac	aggtaggaaa	actacaccct	agaaagagca	ctaaagtaat	37380
catctttcaa	cacactcaaa	agaagataac	cacacaaaca	taattccacc	tctaacaaca	37440
aaaataaagt	aggcaacaat	cactattcct	taatatctct	tttaacatca	atggactcaa	37500
ttctccaata	aaaagacata	gactaacaga	ctgaatacat	aaacaggaca	cagcattttg	37560
ctgcataaag	caaacacagc	gttacttttt	tttttctaaa	tgacattttt	tattagatat	37620
tgtctttatt	gacatttcaa	atgttatccc	ctttcctggg	ttaccctctg	aaatccccta	37680
tcctctcccc	ctccccctgc	tcaccaatcc	accactccc	acttccagge	cctggcaatc	37740
ccctatattt	gggcatagag	ccttcacagg	accaagggtac	tctccttgca	ttgatgacca	37800
actagtccat	tctctgtctac	aaatgcagct	agatctatga	gtcccaccat	gttttctttt	37860
gttggtgggt	tcagtccagg	gagctcttgg	agtactgatt	ggttcatatt	gttggtctcc	37920
ctatgggggt	acaaaaccct	tcaacttctt	gggtcctttc	tctggctgcc	tcattgggga	37980
ccttgtgcca	agtccaatgg	atgactgtga	gcattccact	ctgtatttgc	caggcactgg	38040
cagagcctct	cagaagacag	ctatatcaag	atcctggcag	caagctcttg	ttggtatcca	38100
caaaagtgtc	tggtgggtgt	ctatgggatg	gatcccccac	ggggcagctc	ctggatggtc	38160
attccttcag	tctctgttcc	acactttgtc	tctttaactc	cttccatgac	tattttattc	38220
ctccctctaa	gaaggaccga	agtattcata	ctttgggtct	ccttcttgaa	attcatgtgt	38280
tttgtgaatt	gtatctttga	tattccgaac	ttctgggcta	atatccactt	atcagtgagt	38340
gaatatcatg	tgtgttctta	tgtgattgag	ttacctcact	caggatgata	tcctccagaa	38400
ccatccattt	gtctaagaat	ttaatgaatt	cattgttttt	aatagctgag	gagtactcca	38460
ttgtgtaaat	gtaccacatt	ttctgtaccc	attgttctct	tgaggggacat	ctgggttctt	38520
taaagcttct	ggacattaaa	tataaggctg	ctatggaaat	agtggagaat	gtgtccttat	38580
tacatgttgg	agcatcttct	gggtatatgc	ccaggagtgc	tattgctgga	tcctctgata	38640
gtactatgtc	caattttctg	aggaactgcc	aaactgattt	acagagtggg	tgtaccagct	38700
tgcaattcca	ccagcaatgg	agaaatgttc	cccttctctc	acatcctcac	caacatctgc	38760
tgtcacctca	atttgttctt	agtgattcag	acagggtgtga	gggtggaatat	cagggttgtt	38820
tggcatttcc	ctgatgacta	gtgatattga	aaaaaatttt	aagtgtttct	cagccattca	38880
gtattcttca	gttgagaatt	cactgtttag	ctctgtactc	agggtttttt	aatagggtta	38940
tttggttttc	tggagtctaa	cgtcttgaat	tctttctata	tattggatat	tagccctctg	39000
tcataatttag	gatttggtaa	gatctttccc	aatatgttgg	ctgccttttt	gtgtcctttg	39060
ccttacagaa	ccttttttaat	tttatgaggt	cccatgttgc	agttcttcat	tttacagcac	39120
aagccattgg	tgttctgttc	aaaaatcttt	ccccctgaac	cctatcttct	aggatcttcc	39180
ccactttctc	ctctataagt	ttcagtgtct	ctattattgt	gctgagggcg	atcgcgatgt	39240
gggaacgctt	cagtgttcag	gaaccatagt	atttatttta	aatatagaat	caaaagtacc	39300
aatttgcagt	tttgaaagat	ttattccagt	gtaagcatta	gcaatgcacc	aacatcaggt	39360
gatttctgaa	tccaacacgt	cttatgtcct	catgatatta	aaaaaaaaaa	aaggccatcc	39420
agaactgtga	acttgagttc	taccttgttc	cctactgaca	ttcagatttt	cttttttgca	39480
ttctctttat	cttacaggag	acaggagggg	agggttaact	cattttactt	tggcttgtcc	39540
cttgcctggc	cctgcccaga	acgtaaaagta	gcttgcaagt	cttcaaatct	aaaaatctta	39600
gtaactctca	cacgagtggc	aatgccaaag	agcagtgcac	caaagaggaa	gtaaatcaga	39660
ccaaagagta	ttcttaaata	caccactggc	tcttgttttt	gttttattgt	gtgcctttga	39720
actggagggg	acccactgtc	tatgtctcca	cttagtccct	cttcttttgc	ctctggaggg	39780
ttccaaccaa	aatgacaatg	gcaattccga	tgattgttac	acactcctct	aaaactgcat	39840
ttttctgggg	tgcagtcata	acccaaatga	gataaacttc	cactgcaagc	tccttgatca	39900
cagaacttac	ttttggagca	gggggtacca	tgtctcacca	ttccagcatc	tgttgtttct	39960
gtcccacgat	gttcatcaag	cccaaagcag	gtaaaccacg	agataatcga	ttgatggaat	40020
gaaacatggt	cttgcaataa	tgggaagattg	gtgacattgg	tacactgcaa	ccttccacac	40080

agcttgtcct	gatcagcaca	agcattgaat	gtgaggcttt	cttctgctct	agtacaatgc	40140
ccaaatcgaa	acggttgttt	gttgatgtca	tagcacttaa	tattagcatt	cttagcactt	40200
acaccaaaga	tttccatgca	ttgtatgttg	cgatcagtg	agttaccttt	atagcagtaa	40260
ccatcttctg	agcatggtgt	cccatcttgc	agataagtgt	catctgggca	aatgtattta	40320
gtcccattac	agtactctgg	aagatcacat	atgttctgga	taggtctgca	gagtgtccca	40380
gaaggactgt	aagtgcaatt	tgcacagcat	aattctttat	cacaaatgct	accagggtgt	40440
aacctgcaat	catttccaca	gcagggatct	gaataacatg	ccttttggga	gccacagtca	40500
cactgctcat	cgttatctac	tttgaagttt	ccacaaaact	tataagtcaa	tgatgtatta	40560
taataaacat	gacggtcata	gaaaagacat	ggcatcagac	caggagtatt	aagtatgttg	40620
cttatctctg	caagggaaca	attgctgaaa	gcactctgta	attgaggatg	tctgaacata	40680
atgcaggtgt	tcttctctctg	gcagacacag	tacctctcat	catattttta	gcctaaactc	40740
cttccaacac	gattgtttat	tataggagat	aaaaataaag	gatttcgata	atattttacca	40800
atacaaatta	gggctaagga	agaacatata	ctctctcag	ctggattaac	ctggttatct	40860
tgtggcccat	acttattaag	taaaactcct	gcacaggct	taaatttatt	ataaaagact	40920
gacacatagt	aattataagc	cgacctctct	ggaactgcaa	actcaagtcg	aaatggatca	40980
gaattgggtg	acacagtcac	gagaaagaca	tagtaccgca	tatgaagatt	ggtcagatag	41040
gtgtccatta	aactaatgac	ttgaaacaaa	tacccaacag	tagatgaaag	tttgtcacct	41100
gcagcagaat	tatatacaga	attggttgct	tgaaagtggc	cttttatagc	agctggatgt	41160
gtagcgtagt	tcttactaga	tattctggga	gctccatctg	catattccaa	tctggaggag	41220
ggagaacctg	tattatggct	ccagtgtctc	cattgcattca	taggcoctgt	gtcatcagac	41280
tcagatacta	tctgagaaac	aaggtgttca	aagctctgtg	aatcattgag	gggtttgatt	41340
tcataggtaa	ggtcatctaa	cttcatgacc	cctgacaggc	ccccataaca	agtatccaca	41400
gtgaccatgg	attgtgggat	ccccccagg	tagccaatat	agtaacaatc	tacaggaaaa	41460
aaggggtaat	ccatctgtaa	ggctccttgg	tcattcttgag	ttgtcagcaa	caagtgtctg	41520
ggccaaatga	gtgtctttct	ccgcaggtgg	atgatatgtc	tctggccccg	aaaatgcaag	41580
ctatatgaga	gcagtctttg	tgttgaagt	cctttgggtat	ggtagatctc	cttccgagga	41640
ataaccacct	ccgatgagat	gtaacgcaa	gtaggatggc	cttgagaaca	ccagactgga	41700
accaggagga	gcagccagag	tgcaaatagc	aagaggagga	ccctggggac	cacaggctct	41760
tccactagcc	tcatgcccc	ggteagagat	aacatcctgg	gtggagctaa	atccctctgc	41820
tgtggccact	gcctggtcta	gaaaatactg	acagaggact	aaaaacctcc	tcaggctccc	41880
aacctaaagt	gttaccaga	caactggagt	taggtaacag	tcactgggtg	tggcagggaat	41940
tgagtctgaa	tgtgttagct	gaggttgagg	ttaaataattg	tcaaaaggga	tgtctataaa	42000
tgtgcctgga	caagaaaagt	cagaagcagc	aaggagtgtc	tctgacaggc	tcaatccttt	42060
cttttctttt	tttgaagttc	aaaatatcat	ttccacgtga	atgtatttgg	ttcccagtgt	42120
gactctgggt	ctctttctag	gagtcaatat	ttctttatat	cttggctcat	gtttctcaca	42180
gttgttctaa	tttcttgttt	tgttttgttt	gtttgtttga	acgttagtag	taaatactgt	42240
ctatattagc	cttttagcta	taaatgattg	tttttatttc	ttctaatacat	attttgtttg	42300
agttttgggt	aaactattta	caaatgagtt	tttttttttt	ccttttgggt	gttgcctgaa	42360
agtttggagc	tttctgttaa	tattgtgttg	ttatttttcc	aatattatta	gacctgagaa	42420
ttctatctgg	gtacctgtga	actctagaat	ttttaaaaat	tccatctctt	gggaacatta	42480
cctctgacct	cgtctgaggc	cgaagtggct	gtccccctcc	aacctttagt	atctttcttt	42540
cctgactatt	gggatttctt	caagcaatca	gctctgatgg	ttctcagcag	tgagaccagt	42600
agactgcgg	tatgaacgtc	gaagagactg	ccacacactc	caggttcctc	aacagtgtct	42660
tgcgctctct	tacttttgta	gaaggaaaag	cagcctctga	gttatctcca	agaaatcatt	42720
aatgaaagag	ttaaaagatg	ggtatcacc	ggagtctcat	acaagccctg	gctcagacac	42780
gtgagcaagg	tctacagccc	caaagatagg	ctgcccctga	acatgtattt	ataagataga	42840
agaaaaaat	gggtggttgg	agggttgatc	aacttacttc	ctctcaaaca	tatatatctc	42900
atctaagtgt	gcaggggaaa	actctgtagg	actactggga	ttgttattat	cattattatt	42960
attattatta	ttattattat	tattattatt	attattaact	taaggcattt	tattagatat	43020
tttcttctct	tagttttcaa	atgttatccc	cggaaacctcc	tatactctct	ccctgccctg	43080
ctccccaacc	cacctactcc	tacatctctg	ccctggcatt	cccctatact	gtggcagatg	43140
atcttcgtaa	gaccaagagc	cttctctccc	attgatggcc	tactaggcta	tcctctttta	43200
catatgcaac	tagagtcaac	gctctgggga	ggtattgtct	agttcatatt	gtttttctct	43260
ctataggggt	gcagatccct	ttagctcctt	gggtactttc	tctagctcct	ccattggggg	43320
ccctgtgttc	catccaatag	atgactgtga	gcctccactt	ctgtatttgc	cagggtattgg	43380
catggatctt	actgcacctt	ctgaactctc	taagcagctt	tcctgggtcac	ctccaggagc	43440
ctcatgaata	agtctctgct	tcccccttgt	ggctatgagc	attactgcac	ctgatacacc	43500
ctgcagcttc	ctaggggaaga	gggaggaagt	ggcttggccc	ctgtctgggt	aaggtaagag	43560

gagataaatc	ccttctcatg	aattaggggtg	agaaggggtca	tgtgctctat	cattgggtgac	43620
caacttgggg	acatgggctt	atacagtcac	cactctgagg	ctctgtgtac	caccagactg	43680
aactcccata	tcctacatgc	acataggaca	acaccaagta	gaaggagggtt	ttaggactaa	43740
actgaaggac	agagatgggg	tttctaaaca	actagggagt	gccagggcca	gcctctctaa	43800
ccactatagg	acactatgga	gtctgggttac	aaagagagat	tactcaaggt	ccttagcact	43860
gattacagag	catatctcag	atgccttctg	ctgaccagat	gtatctttgc	ataatctgcc	43920
tatccagatt	cagaaaattg	atgccacata	gccagtggga	ctttcaggaa	cagacgattt	43980
aaaaacaggc	agagagatgt	gagagaaagg	agaaggagag	agagaagggg	gagggagaga	44040
agagagaggg	agacggagaa	ggaaagaggg	agaaggagaa	ggagagaagg	ggcatggaca	44100
gagggagggg	cagaaggaga	gaggagatag	agagggggat	aaggaagaaa	ggagggaggg	44160
agagagagag	aaggctaagt	ctttccatac	ctgggtccca	atacctctta	taacccaagg	44220
acatggtttc	agatatcaca	atgcggtttg	gatatagata	actgtaaaaa	cttgtgaaaa	44280
taatggggct	gagatctggg	gttttcatga	tagtttcaaa	gtcactgtac	tgactaaaa	44340
cttccactgg	cccatctcca	gcttggtta	ctgagggtat	caaatttccc	actaagtgtg	44400
tttagaaa	tctccacctt	tttgccctag	tcttccagtg	ccccacctac	gttctgggtc	44460
cccacatctg	atgtcttctc	agtgattctg	gccttgccctg	ctccacagct	acaaacccct	44520
tcctataatg	agctctgtgc	tgagccatca	tcctgaatca	atccacctta	agcagatgtt	44580
ttgcttattt	ttcctgtgtc	catactacag	aggaagggtta	ggcatgtaga	agctgaggca	44640
tctcatctca	ctctaagcac	cctcagtcct	taaatgtgcc	cctttgtttc	cagcagttca	44700
gcctcaagca	tcttttatcc	actcgtctta	gagggacaca	tgtgctgtag	tgttataaga	44760
tgaaatttaa	agcattagtt	attcccaaca	agccaattaa	acaagccaaa	aacattcact	44820
agtcattccc	atggaacctc	tgaagcatct	tcctgctcta	accttgagtt	tcctagggct	44880
gctgtgggat	cacaggagct	gtcctgttta	ccagcctatc	ctgtcccacg	ggattcagtt	44940
attagtgggt	gcgaggggga	ccgcaaacct	ggaagaaaat	gggattggaa	gagaaaagag	45000
aaacgaagac	caagtagatc	ttttcctatc	aaggctcttcg	tttattaggc	tgaggtgcct	45060
ggtgtaaagc	atgcatcgcg	gggaatagga	aggggtcgag	ggggaatttt	acaaagaaca	45120
aagaagcggg	catctgctga	catgagggcc	gaagtcaggc	tcagggcagc	ggacactctg	45180
catcttatct	ctggaacata	gatcctcctt	gacagccttg	gggtgtcagg	ccaggctcag	45240
gtgtaactca	tgtccttgga	tggcatggga	gttcagggaag	agatagggaa	gaggggacta	45300
taattcagct	tttacagcct	caggtgccag	gaaggcaaca	gggaggaggg	agtgactaca	45360
ggctcctagc	acgaggccat	ttggcctgtc	aggggtggag	attgtgaagg	gctcactttc	45420
tcatgggtatg	gtctctgaca	ccagccagaa	aaaaaataaa	tctccagtca	atctacagaa	45480
aggcagaaat	atggagaacc	ttctagaaga	acagcaacct	ttgactgact	ctgcagggca	45540
gtctaagcac	acaggttcct	ctgagcccag	tccttggtcg	tattcactca	cacaggcccc	45600
agcagctcgg	agatgcctgc	agcaggaagg	ttctcactgt	acctcagtc	cacagctcag	45660
tcactttgta	gtctccccac	agcaaatcac	aaccaatgca	gttgtcacc	ttgaggccat	45720
tcctcagtg	cgccctggga	acactgtcca	tttgccctgc	tcatatgctg	tctcagctca	45780
cataaatctc	ctccaagctc	ctttacagaa	acaaccaatt	gacatacaaa	ttaaagtaat	45840
atgaagctct	gtcctgtacc	aattcctaga	acacctcagc	tgctaaaatc	taactgtgca	45900
atacagagaa	ctacctagat	aatacctaac	tccaatcttg	aggtatctgt	tgaagaggct	45960
ttcagctatg	aattaccaag	agggatgcct	gtgtctccta	catcttaagg	catctttctt	46020
aagctccacac	tacccttcac	agcgccacag	cagcagggag	atctgtatct	cttcctctcc	46080
acaagagggc	agaattcggg	tgtcaactgt	gacaaccttc	cagcattaat	ttctattagt	46140
agatatTTTT	tttacttaca	tttcaaatgt	tatccccctc	cccagttttt	cctccctgaa	46200
acccccctatc	ccatcaccca	tctccctgct	caccaaccca	ccatttccat	aagaaccaat	46260
cagtaaccca	cccccccaga	gtccccagg	actaaaccag	gaaccaaaga	gtacacatgg	46320
aaggacccat	agctccagct	gcataggtag	cactactttg	aaaaggggga	agatgatgaa	46380
atcattactg	tgggggaaat	gcaagggaaga	ttccaacaca	tctaggcatc	tatgaagatt	46440
ttaagtcttc	aaaatccaaa	accaccacaa	aatttaaaaa	aaaaaaaagt	agattctaaa	46500
tgcagtcacc	tgcaccaggt	gcctggggaa	tcactcagca	gccctagact	gagaaaagctt	46560
ggagaaaagta	gaaatagaga	aagtgtacag	ccagtatcct	ctagctactc	acatccaaac	46620
agggcctcct	gactgctctg	agcctgtcct	aagaacagca	atgatgccac	agaaaatttt	46680
agagtgagcc	ctgaagggaac	ttgaggctga	tatgagcaag	ccagtcaccag	aggaaaaggaa	46740
aacccataga	gagaaaacag	gtgagttagt	gcattaaagg	ggctgagcag	ggagttctca	46800
tcgctcccca	gcaccagaaa	taagagcctc	tcgggagctg	ctgggacatg	gaatgcagat	46860
gattcggacc	atcagcccca	cagagacctt	tcccactctg	gctcagaaag	aggcactgga	46920
ccacagttgg	agaggagaat	cgaaagctga	tatctctgta	ttcacttagc	ctgttaccga	46980
cccattgcacc	caagtccaag	gtgggagaaa	cactgagggt	ctaaacacag	ccccagagca	47040

actgccagta	ttaaatacca	gattttcagaa	gatgggaaat	cacctctctg	gtcattttttg	47100
ggacatgtaa	actgtaacag	gaaacatagg	accaatttaa	gatggagcag	tectatatcc	47160
ctaaccaggt	tgtaataaaa	acattcaaga	gtgccatcag	acaccacagt	ggtacaggag	47220
agatgagtg	acctagtgc	tcaagagttc	cctcactaga	taaaccaaga	tgtagcccca	47280
ggaccaccca	ggcacctacc	aggactcccc	tccagaggtc	tgagccagtt	agctctagtt	47340
cattctatgt	ttcagaccaa	aacatcagaa	acaacagcat	ctccactgca	gatgaacccc	47400
taagccatac	agtgtaccca	aaggcagcac	cacagatggg	gaatgtgggg	gcgaagaagc	47460
ttgtatcaca	ttaagagtg	tgcccaatga	ctatttgcta	tcttcacagt	aagatgggca	47520
ctgatcccac	ccacccaaaac	atagtaggac	aaggaccctt	aaataacatc	tgtcaagggg	47580
agctgtcaaa	tagccactga	gctgagatgg	ctcatacggg	gtgatataga	aaaacaggcc	47640
aaagaacctc	ctgtgttgca	agcacaaatg	ggaagctgtg	aatctccact	accttacaag	47700
aaaactgtac	caatctgcaa	gaacagggga	tacacagctt	tccacactgt	gtaggaaggc	47760
attggactct	cagatcatcc	aaggactagg	gctaaagtgg	ccatgtgtgg	gaaatacatc	47820
cactttataa	acctaccttg	tatccacatc	acacatggag	catctgctcc	tggtccctac	47880
ctcatgtggg	tgctgcggtg	ctgtacattg	agtctggggg	catgagtggt	cccggtaaat	47940
tccttatcac	tcagatgaat	ttccagtcac	cactcatcac	cttgagtag	gaatttttaa	48000
agttagtgt	gatataagta	aagagagtca	ggaggggggg	ctgaaaggca	gacctgcaga	48060
aattctccag	agggtagagc	tcagaagcag	caagcaaaac	ttgggctaac	agaagagcaa	48120
acacagagct	caggcagaac	tacctggcaa	tgcgactggg	cacactgaaa	gcactgggca	48180
tcagcactga	gccccaaata	tgcaactcagg	atcctctgca	taataatgta	acataacagg	48240
aaggttagaa	caggccaaaa	gaggaaacag	aacaaatgcc	cctaaccaaa	gaagtataaa	48300
caaattggga	agagtaaaga	aggattgtaa	ggattgagta	ccacacagaa	catgctctta	48360
atggcctcaa	tgctgaagct	aggaagaact	aagttaaaag	aaacatgttc	aacgggattc	48420
cctgtcactg	gacttcacaa	caagcaaaat	tcaatctttc	tgtaaggag	atgagaagag	48480
aatatctgaa	ccttgtgttg	acagtgtccc	accccgactg	tcaggctgtg	ggaaatgcc	48540
gagcaatcac	taggaacaca	caaggatgag	ggagacgagg	gttaggacac	aaccatcatg	48600
atatccca	agtatggaag	agcaagaact	tgtagagagc	agagaatggc	agacaaagca	48660
gcataacat	aagtagatgg	ccagactata	caggaaagat	ctacatagcc	tgtgaggcct	48720
tctgacagaa	aagggcaggc	atgtctcaaa	gcacaatgcc	tggtttggga	cactgtctgc	48780
cctggatcct	ctcactccac	atgtaaggag	ctcacagcaa	aaccacacag	ccttccacaa	48840
gaggagaaga	aaaggtagct	tgctcagtga	gaagtcccc	agagacagac	cattccagta	48900
gttcttatca	ttcttcccaa	agcagccacc	atccaggcac	tgagagacca	aaggctgttg	48960
ggaggtcagc	ctagaggcag	gctcagacct	ttcttgctcc	ctaggacctt	cctgaaaaga	49020
tagaagcaca	gaagtgaata	atctggacct	caactcagga	tgacaactga	aactcaaccg	49080
tgctgcctgg	gcccccaatg	ctctctacac	ctgcaggcgc	gccggagcag	gggatcctta	49140
gatatgtgtt	gggttatct	caccttaggt	ctgaatatgg	ggttgtctta	gactgttttg	49200
tgctgttaga	atagaatacc	caagactggg	aaattttatac	tgaacggaaa	tttattttctc	49260
acagttctag	aggctgtgaa	gtccaagagc	acaggtgcc	gagcaagtc	aagagcaagg	49320
gaaagtccaa	agcaagtcca	ggagcatctg	gcgaggacct	tcttgcctgtg	tcatacatg	49380
gcggaaggca	agaaagagag	caagaggggg	ccgaactcac	ccttttataa	cagcaccaat	49440
cccacccatg	aggtggggac	cttatgacct	aatcactctt	catactgtta	caatggcaat	49500
gaaatttcaa	catgagtttt	ggaggagaga	agcatttcaa	ccacagcaag	ggtgtcctta	49560
cctcctctct	caggcatctt	gcagaaagag	ctgcaactgc	acgtccttcc	tccgtccatc	49620
ctccatccct	tccaatgtc	cgtgcatatc	ctgtgaccca	ggaggtctgg	catagggggg	49680
gotcctgcct	taggtctgag	gcctgtctg	aagaggggta	ggtgaggagg	ccatctgatg	49740
gtctgggcca	agacagtcac	aggacgcac	atztatcatc	aaggaggctg	agggttgagt	49800
ctccaggctc	agggaaactc	ccacaaagtg	ggaaccctgc	ccagctccac	acagcctctg	49860
ctgggggacc	ctgctctggt	gcagagcctg	gggacaggtc	ttgagctcag	ccagagctctg	49920
cctccctgtc	atthaggaac	taaaccaagc	ggcaggatgc	tggagcccag	cccccatctg	49980
accttacagg	gccaaaggctg	gggcccctggg	ttccccctcaa	ggcgcagcag	gactggagcc	50040
ccaggcagtg	caggagtggc	caaagctggg	gcttccctcca	gagcccccaa	gcatacggc	50100
accaagaagg	gtaggaccct	ggcctgagga	attggcacca	aagccccaga	aactaccctg	50160
gacaccatgg	agagaggcct	ggaggggaag	caccaggcac	tgctctccct	tctgatccca	50220
cctgaggtgg	ctgccaagcc	cagagagccg	ctctgatgtc	ccccagccct	gcagcccagg	50280
gatacctgta	ctgtgcccct	gggggacccc	tggccagtct	gtgcaaagaa	gtcaccaccc	50340
tacactcaga	gacagtgggg	gtcctcgctc	cacatctctc	gagcatggcc	cggctgctgc	50400
agggatggtc	tcttggtcct	cagagcatgg	cccggtgct	gcagggatgg	tctcctggtc	50460
ctcagagcat	ggcccagctg	ctgcagggat	ggtctcctgg	aggcccccca	gtgctctatt	50520

[illegible]

agctccaacc	gctccactag	ccgagactaa	ggaagtgaga	ggcagccaga	aatccagacc	92340
attccatagc	aaatggattt	cattlaagtt	accagacttc	agtgtgaagta	acatgagccc	92400
catgcacaac	aatcccttat	gaaggggaag	tcagtgtcgc	ctcggatttc	ttgaaaaaca	92460
caaaaactta	tcaatgcttg	taaaagtctg	ttgaaagaa	aatatgattc	aagaatgtta	92520
tgcccaacaa	agctggcata	ttttctaccc	ggacacactc	agggaaatgtg	gtcccttgag	92580
tgcttctctc	actgcgtaaa	tcctacgtgg	tgtttaagca	tattcataaa	tgtgtatgtc	92640
tatttttatg	tgtaagatgg	ttcattttta	ttttatlttat	tcaatatgta	caataaagaa	92700
tattgacaaa	taggctggac	atgggtggctc	ccacctgtaa	tcccagccct	ttgggagggc	92760
gaggcgggca	gatcacctga	ggtctggagt	tcgagaccag	cctggccaac	atgatgaaaa	92820
cccactctcta	ctaaaaatac	aaagattagc	caggcatggt	ggtgcatgcc	tgtaatccca	92880
gccactcagg	aggctgagac	aggagaaatg	cgtgaaccoc	gaaggcggag	gttgcatgga	92940
gccgagatca	caccactgca	ctccagcctg	gcgacagagc	aagattccat	ctcaaaaaaa	93000
aaaaaagaca	aagaaatttg	tttttttgaa	taaagacaaa	tttcatcaca	cgaagataaa	93060
gatgcaaagc	tccagacagg	aaggcacgga	cagcacagtg	aagcccggag	cgggcgctgg	93120
ggggccaggg	gcatggcggg	ggtgccagcg	tctctcgggt	cctaccatgg	ccactccagc	93180
ctgtgttctc	acgaggatgg	ctgtgcaatg	ctaggagcgt	gttcgaagct	ctagggcaac	93240
cactggaaagt	gaggctgagg	agcagagccc	agaggcccg	ggagctgatg	aaaagaaagc	93300
tggagaaagt	gtttgctgcc	tcccaacatg	gtaagaaaag	atagaaagag	agagcacacg	93360
gcaaaaggag	cttgctgagg	gactctttac	aatggcttgc	acagagctca	gggggtctgg	93420
gaggctaggg	ccctgcgcag	ggcagtcacc	ccagcctgct	gaccaagggt	tgctgcaggc	93480
agctctgggg	gtggttgagg	cgcggtccct	ggagccaccc	ctcaagggaa	cgaggcagca	93540
gagtggggcca	aggcccaggt	cggtctgaag	gctgccccag	acttgggggtc	cttacatcag	93600
cagccactga	tgcagctggc	ccagagagag	gcgcgcagca	ggttgccctcc	aggggacaaa	93660
ccaggtcgga	gagggtgagg	cagtggatgg	agccacaaca	accccggggca	cgggtgacac	93720
gcacgttcat	gcacatctga	cccttccctc	ctcaccaaac	aggteccccc	gccttcccca	93780
tggttgcgaa	aaagcaaaat	gtagaogttt	tttctttttt	aattcatgtt	ttaattgaca	93840
aatgaagccg	tatatatttt	ttgtgtacaa	catgatgctt	taaaatatgt	atacatcggt	93900
gaacagcaac	gttgagctaa	tttaacacgc	attacttcac	atacttgtca	tcttttgtgg	93960
cgagaatgct	taaaatccac	tctcttagta	ttttttaaga	atgcaataca	ttgttgtcaa	94020
ctgtggctac	cgtcatgcat	agccaagctc	ccgacctcac	cctcctgcca	gctcaggctg	94080
tgcatccttt	caccagcatc	ccccaccccg	gcccctggcc	ctggtaacta	ccactctata	94140
ctctacgtat	gagttcagct	ttttaagatt	ccacagatga	atgagatcat	acagtatttg	94200
ctttctatgc	ctggcttatt	ttagttaaca	cactgtcctc	cagatccatc	cgttggttga	94260
aatgacaggg	tttcattctt	tttaaagtct	aaagagtatt	ccattgtgtc	aatggacctc	94320
atttgcttta	tccatgcata	aactatggac	atttaggttg	attccatttc	ttagctgttg	94380
tggatggtgc	tgcagtaaac	atggggctgc	agatgtctct	tcaacatact	gacatcatgt	94440
cctttggata	aatacccgat	agtgggatcg	ctggatcaca	atgtacagtt	ttttttttaa	94500
tggaaacttt	catttttttg	tgaatttagg	aaaacagata	aaaccacacg	aatccaaaaat	94560
atatgtgaag	atgccaaaaa	cagttgacat	tgggcagagg	tcacatggaa	ggaagtgaat	94620
acatgacggg	gtgtgagggc	ccagaggcag	ctgaaatacg	ctttctaaac	acaaggacct	94680
cttctgagag	ggcagaagtt	ttatcctgca	catgcaatga	ccagcacagc	taaaatacac	94740
tttctaaca	tgaggacctc	ttctgagagg	gcagctttat	cctgcaaatg	caatgaccag	94800
cacaggaccc	agaataaaga	gagttgccag	cggagccctg	gtgtccatgt	gtccaggtga	94860
gttcgagatg	cggacggcgc	tggccagcca	gtcacaccct	aagtcaatct	gctgcatgca	94920
tttgtccttg	ccacagcaga	aaacgagaaa	gcctttgggc	tgcaaagctt	cacaggctcc	94980
tcttctcccg	actccatgga	aacagctaca	aagagcaggc	ccagtagagc	ttaattcatg	95040
aaaatgagta	ataaacttga	actggaacag	tatcgacttt	ttagaaacgg	cagcaaagtg	95100
tataaaaaat	attcaccaga	acaatatatt	caaacgatga	gatgagaatt	tcagccaagt	95160
aatcctccat	ggatagaaaa	taatgaaggg	attggattta	tgaaggaaaa	tcattggagct	95220
caaatacaag	aaaagagaat	caaaaatgaa	caggaggaga	taaaatatgg	tttggccaaa	95280
gttacaaaaat	aaatttttta	aaaacccttc	atcatggcaa	gtagaaagag	cgagaggaaa	95340
aacagatccc	gtggaagaca	caaataggac	atggggagaa	aaatgaatga	gatgaaacag	95400
agcagaaata	aaatttttacg	gaactaaaga	caagtgatct	gaacctgcct	ggggcctggg	95460
ggacctcgcc	accctgaagg	gaaagaacat	gcctggctgg	ctttgccacc	tgctcatgtc	95520
agagccccac	agcttgcaac	aaacataggc	ggtagccagg	gagtggttac	agcaggcctt	95580
gagcaagacc	cagtggtgtg	ctgacttcag	gtctgaccca	gcactgtcat	agtgggtggtg	95640
tccatagtgg	tagtgggggt	gcttgtgtca	ctccaccccc	atctccagga	ggctcagaac	95700
agacagagag	agactccatt	tgtttggggag	aaagtaaggg	atgagaacaa	gagtcctctgc	95760

ctggtaatcc	agagaattat	tctagatctt	ggccaagatt	atcaaagcag	tacctctatg	95820
agtccttttg	gcttgaggtc	cccctaaagc	agatatagct	aagatcacaa	cacccaagtc	95880
cttttgaata	tgtgggaaga	cttcccaagg	acaggagcaa	acaaacaagc	ccagactgca	95940
aaaaaacaag	ccgagactgc	aataaacacc	tcactcttca	atgcccaggc	actgaagaac	96000
atctcctagc	agcaacacca	tccaggaaaa	catggcctca	accagtgaac	taaataaggc	96060
accagggacc	agtctcggag	aaatagaggt	atgttatctt	tcagagaatt	caaagtagct	96120
ttgttgagga	aactcaaaga	aattcaagat	aacacagtga	aggaattcag	aatcctatcc	96180
gataaattta	acagagattg	aagcaattaa	aaagaattaa	gcagaaatta	tggagctgaa	96240
aatgcaatt	ggcatactga	aaaatgcctc	agagtatttt	catagcctca	tatatcaagt	96300
agaagaaaga	attagtgcgc	ttgaaaacag	gctattttgga	aaagcacgat	aaaaggagac	96360
aaaagagaaa	agaataaata	acaatgaagc	atatctacag	gatctagaaa	atagcctcaa	96420
aaggccaaat	ctaagaatta	ttagccttaa	agaggaggta	gagaaagagg	gatggagagt	96480
ttattcaaag	ggataataac	agaaaacttc	ccaaacctag	agaaagatat	caatatccaa	96540
atgcaagaag	gatgtagtac	accaaggaga	tttaattgcaa	agaagactac	ctcaaggcat	96600
tcaatactca	aactcccata	tgacaaggac	tttaaaaaaga	tcctaaaagc	agcaaaagaa	96660
aagaaatgaa	taaaatacta	tggagctcca	atatgtctgg	cagcagactt	ttcagtgaag	96720
acttttatatg	ccaggagaga	gtgtcataat	ggatttaaaag	tgctgaagga	aaaaactttt	96780
accctcgaac	agtatagctg	gtgaaattat	ccttcaaaca	tgaaggagaa	ataatttgtt	96840
tccagacaaa	tgttgaggga	tttcatgaac	accagacctg	tcttttaaga	aatgctaag	96900
ggagtacttc	aatcagaaaag	aaacacgtta	gtgaacaata	agaaatcctc	tgaaggcaca	96960
aaactcaccg	gtaatagtaa	gtacacagaa	aaacacagaa	tattataaca	ctgtaactgt	97020
gggtgtgtaa	ctccttttgt	ttgttttgtt	gtttgtttgt	ttgttttgtt	tttttagcgg	97080
agttttgtctc	cagcccaggc	tggagtgcac	tggcacaaatc	tcagctcact	gcaacttcca	97140
cctcccggt	tcaagcaatt	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggcat	97200
gtgctaccat	gtccagctaa	ttttgtattt	tagtagagac	gggtgtttcac	catgtttggtc	97260
aggctagcct	tatcttgagt	agaaaaacta	aatgatgaag	caatgaaaaa	taataactac	97320
aacttttcaa	gacatagtac	aataagatat	aatccataac	aaaaagttaa	aagggtggagg	97380
gatgaagtta	aggcatagag	tctttattag	ttttcttttt	acttgtctgt	ttatgcaaac	97440
agtgttaagt	gtcatcagt	ttaaaaataat	gggtcataag	atactattttg	caagcctcat	97500
ggtaacgtca	aacaaaaagc	aatacaacag	atacacaaaa	aacaaaaagc	aagaagctaa	97560
attacgtcat	cagagaaaat	caccttcact	aaaaggaaga	cggagaaaaag	aatgaagaga	97620
gagaagacca	aaagcaataa	gcaatatggc	aggagtaagt	ccttacttat	caataatacc	97680
attgaattga	aatggactaa	actctccaat	caaaagacat	agagtggctg	aatcaattaa	97740
agaaaaaaca	agacccattg	atctgttgtc	cacaagaaac	acactttatc	tataaagaca	97800
cacatagact	gaaaacaaag	ggatggaaaa	agatactcca	cgccaatgga	aaccaaagaa	97860
agagcaggag	tagctacact	tatatcaggc	aaaatagatt	tcaagacaaa	aactataaga	97920
agagacaagg	tcactaatga	taaacaggctc	aattcagcaa	gaggatataa	caattgtaaa	97980
tatatatgca	cccaatgctg	gagcaccag	atatataaaag	caagtattta	ctagagctaa	98040
agagagaaat	agactccaat	gcaataatag	ctggagattt	caacatccca	ctttcaacat	98100
tgaacagatc	ctccagatag	aaaatcaaca	aagaaatatt	ggacttaatc	tgcactatcg	98160
accaaattgga	tctaacagat	atttacagaa	catttcatcc	aacagctgca	gaacacacat	98220
tcttttctctc	agcacataga	tcattctcaa	ggatagacca	tatgttgggt	cacaaaacaa	98280
gttttaaaat	attcaaatat	attgaaataa	tatcaagcat	cttctgtgac	cacaatggac	98340
taaaactaga	aatcaataac	aagaggaatt	ttggaaacta	tataaatata	tggaaattaa	98400
tgaatgctga	gtgggtcaat	gaagcaatta	agaaggaaac	tgaaattttt	cttggaacga	98460
atgatcatgg	aaacagaaaa	taccaaacc	tatgggatac	agcaaaagca	gtactaagag	98520
ggaagtttac	agctacaaat	gcttacatta	aaaaagaaga	aaaacttcaa	taaaaaaacc	98580
taacaatgca	tcttaagaa	ctagaaaagc	aagaggaaat	caaatccaaa	attagtagaa	98640
gaaaacagta	aaggtcagag	cagaaataag	taaaattgaa	atgaagaaaa	caatacaaaa	98700
gatcaataaa	acaacaggtt	gttttcttga	aaagttaaac	aaaattgaca	aacctttagc	98760
cagactaaga	aaaaaagaca	gaagatccaa	ataaataaaa	tcagagatga	aaaagggtgac	98820
attacaactt	acaccacaga	aattcaaagg	atcattagt	gctactataa	gcaactatat	98880
gccaaataat	tggaaaatct	agaagaaatg	cagaaattcc	tagacacata	caacctccca	98940
agattaaacc	aagaagaaat	tcaaaaacctg	aacagactga	taacaagtaa	tgagatcaaaa	99000
gccgtaataa	aaagcctccc	agtaaagaga	agcccaggac	ccgacggctt	cactgtctgaa	99060
ttctaccaa	catttaaaagt	agaactaata	ccaatcctac	tcaaactatt	ccaaaaaata	99120
gagggtggaag	gaatacttca	aaactcatta	tacgaggcca	gtattaacct	gacacaaaaa	99180
ctagacaaaag	acacatgaaa	aaaagaaaac	tacaggccaa	tatgtctgat	gaatattgac	99240

acaaaaatcc	tcaacaaaat	actagcaaac	caaattcaac	tacacattag	aaagttcact	99300
catcatgacc	aagtggaaat	tatctaactt	gggatgcaaa	gatgggttcaa	catatgcaaa	99360
tcaatcaatg	tgatacatca	tatcaacaga	atgaacaaca	aaaaccattt	gatcatttta	99420
ttgatactga	aaaagcattt	gataaaattc	aacatttcctt	cataataaaa	attctcttct	99480
atactaggta	caaaagaaac	ttacctcaac	ataataaagc	catatatgac	agtcacacag	99540
tatgatacta	aatgaggaaa	aactgagagc	ctttcctcta	cgatctggaa	catgacaaag	99600
atgcccactt	tcatactgt	tattcaacat	agtactggaa	gtcctagctg	gagcgatcag	99660
acaagagaaa	gatataaaa	acatccaaat	tggaaggaa	taagtcaa	tatcctcatt	99720
tgcatatggt	atgatcttct	atttagagct	aactaaagac	tccacaaaa	aaagttatta	99780
gaactgaaga	acaaattcag	taaagctgca	ggatacaaaa	tcaacataca	aaaatcagta	99840
gcatttctat	atgccaacaa	tgaccaatgt	gaaaaagaaa	ttaaaaagta	accctatttta	99900
caataaccac	aaataaacac	ctaggaatta	accaaagagg	taaaagattt	ctgtaatgaa	99960
aactataaaa	cactgatgaa	agaaattgaa	gagtacacca	aaaaatggaa	agcaattgca	100020
tgttcatgga	ttagaagaat	cagtgttgtt	ataatgtcca	tactatccaa	agcaatctac	100080
agattcaatg	caatccttat	caaaatacca	atgacatcat	tcacagaaat	agaaaaaaa	100140
aatcctaaaa	tttacgtgga	accacaaaga	cccagaatag	ccaaagctct	cctaagcaaa	100200
aagaacgaaa	ctgtaggaat	gacattgcct	gtcttcaaat	tctactacag	agctatagat	100260
agtaaccaaa	acagcgtggt	actggcataa	aaacagacac	agagacaaac	agaacaaaa	100320
ttaaaaaccc	agaaataaat	ccacacacct	acagcaaat	catttttgac	aaagttgcca	100380
agaacatact	ctggggaata	gataatgata	tctcttcaat	aaatagtgtg	gggaaaactg	100440
gatatccata	tacataacag	tgaaaataga	ccctctctct	tctactata	tacaaaaatc	100500
aaatcaaaat	tgtttaagga	cttaaatcta	agacctcata	ctatgaaacc	actgcaagac	100560
aaccttggcg	gaaactctcc	aagacatcag	tccaggcaaa	gatttcttga	gtaatatccc	100620
acaagcacag	acaaccaag	caaaaatgga	caaatgggat	cacatcaagt	taaaaagctt	100680
ctgcacagta	agggaaacaa	ccaacaaaat	gaagagacaa	cccacagaat	gggagaaaa	100740
atttgaaaaa	tacccatctg	gcaagggatt	aaaaaccaga	atatatgcag	aatatataag	100800
gagctcaaac	agtgtctatg	aaaaaaaaat	ctaataatct	gatttataaaa	tgggaaaaat	100860
gttagaatag	acatttctta	aaataagaca	tacagatggc	aaaccgacat	ggaacgggtg	100920
tcaacatcat	ggattatcac	agaaacacaa	tcaatcaaaa	ctaaaactaa	aatgtgctat	100980
catctcacc	cagttaaaat	ggctgatatc	cagaagacag	gcaataacaa	atgctggcaa	101040
ggatgtgggg	aaaagggagc	cccatacac	tggtgtggg	attgtaaatt	agtacaacca	101100
ctgtggagag	cagcatgaaa	gttctcctca	aaactgaaag	aaagctacca	taggatccag	101160
caatcccact	gctgtgtata	tactacaaaa	gaaagggaag	cagtatatga	agaggatatc	101220
gcactcccat	gtttgttgca	gccctgttca	caacagccaa	gatttggga	caacctaa	101280
gtccatcagc	agttgaatgt	ataaagaaaa	tggtgtgcac	atacacaatg	gagtattatt	101340
caataataaa	aaggaatgag	attgagtcac	ttgcaacaac	atggatggaa	ctggagatca	101400
ttatgtgaag	tgaaataagc	caggcacaga	aagacaaaca	ttacaatgtt	cttacttatt	101460
aatgagatct	aaaaatcaaa	acaattgcac	ccatgttcat	aaagagtaaa	aggatgggta	101520
ccagatgctg	agaacgggtg	tggggggata	gggaaagggtg	gcagtgggta	acgggtacaa	101580
aaaaatagaa	agaatgaata	agacttgcta	cttgatagca	cagcaagggtg	gctatagtca	101640
gtaatttagt	tgtatatttt	taataatgaa	aggtgtataa	ttggattgtt	tctaacacaa	101700
aggataatgc	ttaagaggat	ggatacccca	tttccatga	tgtgattatt	tcacattgca	101760
cgcttagatc	aaaacatcca	atgtacccca	taaatatata	catcttctat	gtaccataaa	101820
aaattctgta	aaataaaata	tataaaaaga	ggtgacagat	atggaagaca	ggcaaaaga	101880
agacgacatc	cacataatcc	gagtacctaa	gaaagaatgg	agtccagtgc	atctcaggag	101940
ccaccattct	aagccaattt	tctctggttc	tctcagtcac	cctaccaata	cgtgggcaat	102000
cttgttttat	ttcaggatag	agtttttgaa	attatagatt	taagtatgct	ttctgttcta	102060
ttacttttgg	taattaattt	tagaaagaac	taatttgggc	acaaatttga	aaaaattcta	102120
aatccaaaaa	aaaaaagaaa	aaaacacaca	cacaatcctc	tataaggggg	atgatgacca	102180
gtcctagatt	tctcaccagc	cacattcaag	atcagtaaat	ggtaggacaa	aacctgtagg	102240
gtccttaagg	gggaaagaag	tagtggatag	tccagagctc	atatacagcc	aactgttctt	102300
gaagaaaaaa	ggctgctgaa	aaggagttcc	aaacattcta	taatccataa	tctcatgatg	102360
aaactactag	aggaagacca	ccagccatca	aaaggtgctt	ggagaaccca	gggccaagaa	102420
ccaaaagtaa	atattaagtg	tccttaactg	cgagactaag	atagaaatga	ctgtggggga	102480
ccatgtgggc	tcaacagagg	tgaaatgggtg	tctgcctgac	aaagtggaca	ttttacaatg	102540
atcaaaacac	agaatatgag	atagagagca	cttctgaatt	actgcctcac	tccaaaatac	102600
tctcagccaa	aggacttcag	taaaacccaa	ttgggcatat	tagacagtac	aaacaaattc	102660
taagaaaata	atattactga	ttacaatcac	atgatgctag	agatggaggg	gaaaagggaag	102720

tttctgtagc	ccctggctca	gggctgactc	accgtggctg	aatacttcca	gcactggggc	106260
cagggcacc	tggtaaccgt	ctcctcaggt	gagtctgctg	tctggggata	gcggggagcc	106320
aggtgtactg	ggccaggcaa	gggctttggc	ttcagacttg	gggacagggtg	ctcagcaaag	106380
gaggtcggca	ggagggcgga	gggtgtgttt	ttgtatggga	gaagcaggag	ggcagaggct	106440
gtgctactgg	tacttcgac	tctggggcgg	tggcaccctg	gtcactgtct	cctcagggtga	106500
gtcccactgc	agccccctcc	cagtctttct	tgtccaggca	ccaggccagg	tatctgggggt	106560
ctgcagccgg	cctgggtctg	gcctgaggcc	acaccagctg	ccatccctgg	ggtctccgcc	106620
atgggctgca	tgccagagcc	ctgctgtcac	ttagccctgg	ggccagctgg	agcccccaag	106680
gacaggcagg	gaccccgctg	ggcttcagcc	ccgtcaggga	ccctccacag	gtagcaagca	106740
ggccgagggc	agggacggga	aggagaagtt	gtgggcagag	cctgggctgg	ggctggggcg	106800
tggctgttca	tgtgcggggg	accaggcctg	cgtcttagtg	tggctacaag	tgcttggagc	106860
actggggcca	gggcagcccg	gccaccgtct	ccctgggaac	gtcacccttc	cctgcctggg	106920
tctcagcccg	ggggtctgtg	tggctgggga	cagggacgcc	ggctgcctct	gctctgtgct	106980
tggggcatgt	gacccattcg	agtgtcctgc	acgggcacag	gtttgtgtct	gggcagggaac	107040
agggactgtg	tccctgtgtg	atgcttttga	tatctggggc	caagggacaa	tggctaccgt	107100
ctcttcaggt	aagatggctt	tccttctgcc	tcctttctct	gggcccagcg	tcctctgtcc	107160
tggagctggg	agataatgtc	cgggggctcc	ttggctctgg	ctggggccatg	tggggccctc	107220
cggggctcct	tctccggctg	tttgggacca	cgttcagcag	aaggcccttc	tttgggaact	107280
gggactctgc	tgtctggggc	aagggtgggc	agagtcctgc	ttgtgctggg	gacaaaatga	107340
ccttgggaca	cggggctggc	tgcacggcc	ggcccgggac	agtccgagag	tcagggtttt	107400
gtgcaccctc	taatggggcc	tcccacaatg	tgaactcttt	gactactggg	gccagggaac	107460
cctggtcacc	gtctcctcag	gtgagtcctc	acaacctctc	tcctgcttta	actctgaagg	107520
gttttgctgc	atTTTTgggg	ggaaataagg	gtgctgggtc	tcctgcccaag	agagccccgg	107580
agcagcctgg	ggggctcagg	aggatgcctt	gaggcaacag	cggccacaca	gacgaggggc	107640
aagggtctca	gatgtctcct	cctcctgagc	ccagcagcac	gggtctctct	gtggccaggg	107700
ccaccctagg	cctctggggg	ccaatgccca	acaacccccg	ggccctcccc	gggctcagtc	107760
tgagagggtc	ccaggggacgt	agcggggcgc	cagttcttgc	ctgggggtcct	ggcattgttg	107820
tcacaatgtg	acaactgggt	cgacccctgg	ggccagggaa	ccctggtcac	cgtctcctca	107880
ggtgagtcct	caccaccccc	tctctgagtc	cacttagggg	gactcagctt	gccagggtct	107940
cagggtcaga	gtcttggagg	catttttgag	gtcaggaaag	aaagccgggg	agagggaccc	108000
ttcgaatggg	aacccagcct	gtctctccca	agtcgggcca	cagatgtcgg	cagctggggg	108060
gtcctctcgg	ctgggtctgg	gtgacctctc	tcgccttcac	ctggagcatt	ctcaggggct	108120
gtcgtgatga	ttgctgtgtg	ggactctgtc	ccgtctcaag	gcaccgcctc	tctgggacgg	108180
gtgccccccg	gggttttttg	actcctgggg	gtgacttagc	agccgtctgc	ttgcagttgg	108240
acttcccagg	ccgacagtg	tctggcttct	gaggggtcag	gccagaatgt	gggttacgtg	108300
ggaggccagc	agaggggttc	atgagaagg	caggacaggg	ccacggacag	tcagcttcca	108360
tgtgacgccc	ggagacagaa	ggtctctggg	tggctgggtt	tttgtgggg	gaggatggac	108420
attctgccat	tgtgattact	actactacta	cggtatggac	gtctggggcc	aagggaaccac	108480
ggtcacccgt	tcctcaggta	agaatggcca	ctctaggggc	tttgttttct	gctactgcct	108540
gtgggggttt	ctgagcattg	caggttggtc	ctcggggcat	gttccgaggg	gacctggggc	108600
gactggccag	gaggggacgg	gcactggggg	gccttgagg	tctggggagc	tctgtggatt	108660
ttccgatgcc	tttggaaaat	gggactcagg	ttgggtgcgt	ctgatggagt	aactgagcct	108720
ctagacttag	cattgcagac	taatcttgga	tattgtctcc	tgagggagcc	ggctgagaga	108780
agttgggaaa	taaaactgtc	agggatctca	gagcctttag	gacagattat	ctccacatct	108840
ttgaaaaact	aagaatctgt	gtgatggtgt	tgggtggagtc	cctggatgat	gggataggga	108900
ctttggaggc	tcattttgag	gagatgctaa	aacaatccta	tggctggagg	gatagttggg	108960
gctgtagtgt	gagattttca	gttttttaga	taaaagtatt	agctgcggaa	tatacttcag	109020
gaccacctct	gtgacagcat	ttatacagta	tcogatgcac	agggacaaa	agtggagtgg	109080
ggcactttct	ttagatttgt	gaggatgtt	ccacactaga	ttgtttaaaa	cttcatttgt	109140
tggaaggaga	gctgtcttag	tgattgagtc	aaggggagaaa	ggcatctagc	ctcgggtctca	109200
aaagggtagt	tgtgtcttag	agaggtctgg	tggagcctgc	aaaagtccag	ctttcaaagg	109260
aacacagaag	tatgtgtatg	gaatattaga	agatgttgct	tttactctta	agttgggtcc	109320
taggaaaaat	agttaaaata	tgtgacttta	aaatgtgaga	gggttttcaa	gtactcatat	109380
ttttaaatgt	ccaaaattct	tgtcaatcag	tttgaggtct	tgtttgtgta	gaactgatct	109440
tacttaaaagt	ttaaccgagg	aatgggagtg	aggtctctct	ataacctatt	cagaactgac	109500
ttttaacaat	aataaattaa	gtttcaaata	tttttaaatg	aattgagcaa	tgttgagttg	109560
gagtcaagat	ggccgatcag	aaccagaaca	cctgcagcag	ctggcaggaa	gcaggctcatg	109620
tggcaaggct	atttggggaa	gggaaaataa	aaccactagg	taaacttgta	gctgtgggtt	109680

gaagaagtgg	ttttgaaaca	ctctgtccag	ccccacaaaa	ccgaaagtcc	aggctgagca	109740
aaacaccacc	tgggtaat	gcatttctaa	aataagttga	ggattcagcc	gaaactggag	109800
aggtcctctt	ttaacttatt	gagttcaacc	ttttaat	agcttgagta	gttctagttt	109860
ccccaaactt	aagtttatcg	acttctaaaa	tgtatttaga	attcattttc	aaaattaggt	109920
tatgtaagaa	attgaaggac	tttagtgtct	ttaatttcta	atatatttag	aaaacttctt	109980
aaaattactc	tattattctt	ccctctgatt	attggtctcc	attcaattct	tttccaatac	110040
ccgaagcatt	tacagtga	ttgttcatga	tcttttttag	ttgtttggtt	tgccttacta	110100
ttaagacttt	gacattctgg	tcaaaacggc	ttcacaaaatc	tttttcaaga	ccactttctg	110160
agtattcatt	ttagggagaaa	gacttttttt	ttaaataaat	gcaattatct	agacttattt	110220
cagttgaaca	tgctgggttg	tgggtgagag	gacactcagt	cagtcagtg	cgtgaagggc	110280
ttctaagcca	gtccacatgc	tctgtgtgaa	ctccctctgg	ccctgcttat	tgttgaatgg	110340
gccaaaggtc	tgagaccagg	ctgctgctgg	gtaggcctgg	actttgggtc	tcccaccag	110400
acctgggaat	gtatgggtgt	ggcttctgcc	acccatccac	ctggctgctc	atggaccagc	110460
cagctcgggt	ggctttgaag	gaacaattcc	acacaaagac	tctggacctc	tccgaaacca	110520
ggcacccgaa	atggtaagcc	agaggcagcc	acagctgtgg	ctgctgctct	taaagcttgt	110580
aaactgtttc	tgcttaagag	ggactgagtc	ttcagtcatt	gcttttagggg	gagaaagaga	110640
catttggtg	tcttttgagt	accgttgtct	gggtcactca	catttaactt	tccttgaaaa	110700
actagtaaaa	gaaaaatgtt	gcctgttaac	caataatcat	agagctcatg	gtacttttag	110760
gaaatcttag	aaagcgtgta	tacaattgtc	tggaaattatt	tcagttaatg	gtattagttg	110820
aggtactgat	gctgtctcta	cttcagttat	acatgtgggt	ttgaattttg	aatctattct	110880
ggctcttctt	aagcagaaaa	tttagataaa	atggatacct	cagtgggtttt	taatgggtggg	110940
tttaatatag	aaggaattta	aattggaagc	taatttagaa	tcagtaaggga	gggaccagg	111000
ctaagaaggc	aatcctggga	ttctggaaga	aaagatgttt	ttagttttta	tagaaaaacac	111060
tactacattc	ttgatctaca	actcaatgtg	gtttaatgaa	tttgaagttg	ccagtaaatg	111120
tacttcctgg	ttgttaaaga	atgggtatcaa	aggacagtgc	ttagatccga	ggtgagtggt	111180
agaggacagg	ggctggggta	tggatacgca	gaaggaaggc	cacagctgta	cagaattgag	111240
aaagaataga	gacctgcagt	tgaggccagc	aggtcggctg	gactaactct	ccagccacag	111300
taatgacca	gacagagaaa	gccagactca	taaagcttgc	tgagcaaaat	taagggaaaca	111360
aggttgagag	ccctagtaag	cgaggctcta	aaaagcacag	ctgagctgag	atgggtgggc	111420
ttctctgagt	gcttctaaaa	tgcgctaaac	tgaggtgatt	actctgaggt	aagcaaagct	111480
gggcttgagc	caaaatgaag	tagactgtaa	tgaactggaa	tgagctgggc	cgctaagcta	111540
aactaggctg	gcttaaccga	gatgagccaa	actggaatga	acttcattaa	tctaggttga	111600
atagagctaa	actctactgc	ctacactgga	ctgttctgag	ctgagatgag	ctgggtgag	111660
ctcagctatg	ctacgtgtg	ttgggggtgag	ctgatctgaa	atgagatact	ctggagtagc	111720
tgagatgggg	tgagatgggg	tgagctgagc	tgggctgagc	tagactgagc	tgagctaggg	111780
tgagctgagc	tgggtgagct	gagctaaagct	ggggtgagct	gagctgagct	tggctgagct	111840
aggggtgagct	gggctgagct	ggggtgagct	gagctgagct	ggggtgagct	gggatgagct	111900
ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	gagctggggt	gagctgggct	111960
gagctgggct	gagctgggct	gagctggggt	gagctgagct	ggggtgagct	gagctgagct	112020
ggggtgagct	gagctgagct	ggggtgagct	ggggtgagct	gagctggggt	gagctgagct	112080
gagctggggt	gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	gagctgagct	112140
gagctgagct	gagctggggt	gagctgagct	gagctgagct	ggggtgagct	ggggtgagct	112200
gagctgagct	ggagtgagct	gagctgggct	gagctggggt	gagctgggct	gagctggggt	112260
gagctgagct	gggtgagct	gagctggggt	gagctgagct	gagctggggt	gagctgagct	112320
ggggtgagct	gggctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	112380
gagctgagct	gagctgagct	gagctgagct	gagctgagct	ggggtgagct	gagctgagct	112440
gggctgagct	ggggtgagct	gggctgagct	gggctgagct	gggctgagct	ggggtgagct	112500
gagctggggt	gagctgagct	gagctgggct	gagctgagct	gagctggggt	gagctgagct	112560
gagctggggt	gagctgagct	gagctgagct	ggggtgagct	gagctgagct	gggctgagca	112620
gggctgagct	ggggtgagct	gagctgagct	ggggtgagct	gggctgagct	gggctgagct	112680
gagctgagct	gggctgagct	gggctgagct	gggctgagct	gggctgagct	gggctgagct	112740
ggggtgagct	gagctggggt	gagctggggt	gagctgagct	ggggtgagct	gagctggggt	112800
gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	112860
agctgaggtg	aactggggtg	agccgggatg	ttttgagttg	agctggggtg	agatgagctg	112920
aactggggtg	aactgggatg	agctgtgggtg	agcggagctg	gattgaactg	agctgtgtga	112980
gctgagctgg	ggtcagctga	gcaagagtga	gtagagctgg	ctggccagaa	ccagaatcaa	113040
ttaggctaag	tgagccagat	tgtgctggga	tcagctgtac	tcagatgagc	tgggatgagg	113100
						113160

taggctggga	tgagctgggc	tagctgacat	ggattatgtg	aggctgagct	agcatgggct	113220
ggcctagctg	atgagctaag	cttgaatgag	cggggctgag	ctggactcag	atgtgctaga	113280
ctgagctgta	ctggatgata	tgggttaggg	tgatctggac	tcaactgggc	tggctgatgg	113340
gatgcgccag	gttgaactag	gctcagataa	gttaggctga	gtagggcctg	gttgagatgg	113400
ttcgggatga	gctgggaaaa	gatggactcg	gaccatgaac	tgggctgagc	tgggttggga	113460
gaccatgaat	tgagctgaac	tgagtgcagc	tgggataaac	tgggttgagc	taagaataga	113520
ctacctgaat	tgtgccaaac	tggctggga	tcaattggaa	attatcagga	tttagatgag	113580
cgggactaaa	ctatgctgag	ctggactggt	tggatgtgtt	gaactggcct	gctgctgggc	113640
tggcatagct	gagttgaact	taaatgagga	aggctgagca	aggctagcct	gcttgcatag	113700
agctgaactt	tagcctagcc	tgagctggac	cagcctgagc	tgagtaggtc	taaactgagt	113760
taaaaatcaa	cagggataat	ttaacagcta	atttaacaag	cctgaggtct	gagattgaat	113820
gagcagagct	gggatgaact	gaatgagttt	caccaggcct	ggaccagtta	ggctaggacc	113880
tgttctata	gaggcagact	gtgtgctaca	gtggagtttc	aagatgattc	catgagtcct	113940
ccccgccccc	aacataaccc	accttctctc	tacctacac	gcctgtcttg	tgtgtaaatc	114000
ccagctttgt	gtgctgatac	agaagcctga	gccccctccc	cacctccacc	tacctattac	114060
tttgggatga	gaatagttct	cccagccagt	gtctcagagg	gaagccaagc	aggacaggcc	114120
caaggctact	tgagaagcca	ggatctaggc	ctctccctga	gaacgggtgt	tcatgccctc	114180
agagttggct	gaagggccag	atccacctac	tctagaggca	tctctccctg	tctgtgaagg	114240
cttccaaagt	cacgttctctg	tggctagaag	gcagctccat	agccctgctg	cagtttctgc	114300
ctgtatacca	ggttcaccta	ctaccatata	tagccctgcc	tgccttaaga	gtagcaacaa	114360
ggaaatagca	gggtgtagag	ggatctctctg	tctgacagga	ggcaagaaga	cagattctta	114420
ccctccatt	tctcttttat	ccctctctgg	tctcagaga	gtcagtcctt	cccaaatgtc	114480
ttccccctcg	tctctgcca	gagccccctg	tctgataaga	atctgggtggc	catgggctgc	114540
ctggccccggg	acttctctgc	cagcaccatt	tccttcacct	ggaactacca	gaacaacact	114600
gaagtcaccc	agggatatcag	aaccttccca	acactgagga	cagggggcaa	gtacctagcc	114660
acctcgcagg	tgttgctgtc	tccaagagc	atccttgaag	gttcagatga	atacctggta	114720
tgcaaaatcc	actacggagg	caaaaacaaa	gatctgcatg	tgccatttcc	aggtagaac	114780
caaaccctcc	cagcaggggt	gcccaggccc	aggcatggcc	cagagggagc	agcggggtgg	114840
ggcttagggc	aagctgagct	cacaccttga	cctttcatte	cagctgtcgc	agagatgaac	114900
cccaatgtaa	atgtgttctg	cccaccacgg	gatggcttct	ctggccctgc	accacgcaag	114960
tctaaactca	tctgcgaggg	cacgaacttc	actccaaaac	cgatcacagt	atcctggcta	115020
aaggatggga	agctcgttga	atctggcttc	accacagatc	cggtgaccat	cgagaacaaa	115080
ggatccacac	cccaaaccta	caaggctata	agcacactta	ccatctctga	aatcgactgg	115140
ctgaacctga	atgtgtacac	ctgccgtgtg	gatcacaggg	gtctcacctt	cttgaagaac	115200
gtgtcctcca	catgtgctgc	cagttagtgg	cctgggctaa	gccaatgcc	tagccctccc	115260
agattagggg	agtctctcta	caattatggc	caatgccacc	cagacatggg	catttgctcc	115320
ttgaactttg	gctccccaga	gtggccaagg	acaagaatga	gcaataggca	gtagaggggt	115380
gagaatcagc	tgggaaggacc	agcatcttcc	cttaagtagg	tttgggggat	ggagactaag	115440
cttttttcca	acttcacaac	tagatatgtc	ataacctgac	acagtgttct	cttgactgca	115500
ggtccctcca	cagacatcct	aaccttcacc	atccccccct	cctttgccga	catcttctct	115560
agcaagtccg	ctaacctgac	ctgtctggtc	tcaaacctgg	caacctatga	aacctgaat	115620
atctcctggg	cttctcaaag	tggatgaaca	ctggaaacca	aaattaaaat	catggaaagc	115680
cctcccaatg	gcaccttcag	tgctaagggt	gtggctagtg	tttgtgtgga	agactggaat	115740
aacaggaagg	aattttgtgcg	tactgtgact	cacagggatc	tgccttcacc	acagaagaaa	115800
ttcatctcaa	aacccaatgg	taggtatccc	cccttccctt	ccctccaat	tgcaggaccc	115860
ttcctgtacc	tcatagggag	ggcaggtcct	cttccaccct	atcctcacta	ctgtcttcat	115920
ttacagaggt	gcacaaacat	ccacctgctg	tgtacctgct	gccaccagct	cgtgagcaac	115980
tgaacctgag	ggagtgcagc	acagtcacct	gcttgggtga	gggcttctct	cctgcagaca	116040
tcagtgtgca	gtggcttcag	agagggcaac	tcttggccca	agagaagtat	gtgaccagtg	116100
ccccgatgcc	agagcctggg	gccccaggct	tctactttac	ccacagcatc	ctgactgtga	116160
cagaggagga	atggaactcc	ggagagacct	atacctgtgt	tgtaggccac	gaggccctgc	116220
cacacctggg	gaccgagagg	accgtggaca	agtcactggg	ttaaaccaca	ctgtacaatg	116280
tctccctgat	catgtctgac	acaggcgga	cctgctattg	accatgctag	cgtcaacca	116340
ggcaggccct	gggtgtccag	ttgctctgtg	tatgcaaaact	aacctgtgca	gagtgaagt	116400
ttgcatttta	taaaaattag	aaataaaaaa	aatccattca	aacgtcactg	gttttgatta	116460
tacaatgctc	atgcctgctg	agacagttgt	gttttgcttg	ctctgcacac	acctgcata	116520
cttgccctca	ccctggccct	tcctctacct	tggcagtttc	ctccttgtgt	gtgaactcag	116580
tcaggcttac	aacagacaga	gtatgaacat	gcgattcctc	cagctacttc	tagatatatg	116640

gctgaaagct	tgcattgctg	caggctgact	ctagaggatc	cccggtacc	gagctcgat	116700
tcgcccata	gtgagtcgta	ttacaattca	ctggcgtcg	ttttacaacg	tcgtgactgg	116760
gaaaaccctg	gcgttaccca	acttaatcgc	cttgacgac	atcccccttt	cgccagctgg	116820
cgtaatagcg	aagaggcccg	caccgatcgc	ccttcccaac	agttgcccag	cctgaatggc	116880
gaatggcgcc	tgatggcgta	ttttctcctt	acgcattcgt	gcggtatttc	acaccgcata	116940
tggtgcactc	tcagtacaat	ctgctctgat	gccgcatagt	taagccagcc	ccgacaccgg	117000
ccaacacccg	ctgacgcgaa	ccccctgcgg	ccgc			117034

<210> 75

<211> 150288

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic

<400> 75

gcgcgccttg	gcatggagga	aatgacaaag	attattagat	tgaagacttt	ctcagaaaat	60
gatattaagt	cattaaggaa	aaggaacaat	ataaacgtgt	atttgagaaa	ttttaattat	120
ttgagagatt	tttcatacaa	tattttattct	gcaagcaaat	ttcagggatt	gaattaataa	180
aactgatata	gaacttcctc	tgtaggtatc	tgtgtaaaca	tcaatttctg	aatcagtggt	240
gtaaatattt	tggaaacacac	acacaaatca	catttttatct	ctacttttat	ctctattttt	300
aaaaatgcc	aaaaaactca	ttttgtgcat	gtagcatttt	gaattccac	catcaatgca	360
tgatagtctt	tggttttcca	cattcatatt	gccatttatc	attatgagaa	ttgtgtgttt	420
taaccattct	aatagggtgag	taatgggtatc	taatttttag	ttaaatgcac	atttccctaa	480
taaaaattca	catttaacaa	ttttcatata	atttttgcca	agatgcctct	tctcatattt	540
ggttcatttt	taactgcatt	gttttctttt	gattagtgtt	aagtttactt	gcatattgat	600
tataaaatca	tttaacaaat	taaaagaatt	catttaacaa	atatgtgaat	tggaggtatt	660
ttctccaagt	ctgcggctgt	cttttactcc	cttatcagta	tgtattgcag	aaaagtgtgt	720
gtgtgtgtgt	gtgtgtgtgt	ttatacaaat	ttagatttaa	aaaatgtaa	atgttatttc	780
tccacagatc	atgtcttttg	tatttatctt	gaaatctcat	tataaaatac	agtagtagca	840
attacttttt	ccacgtctct	aatctcaggc	tacaatcaac	tcatgagtg	tttaagcttca	900
cctacttgat	tagaggacta	tcaacctaac	atatttgga	tacttctgta	aaaagatgtg	960
ttctcttctc	tattattttt	ttatttgatc	acttattaat	atgtgtattg	gtttatggat	1020
gtctatttca	tactctgaag	aagatccatg	ctacattatt	cattttattt	ttcaaaccac	1080
cacggcttta	ttatgtgctg	ggagctcatt	gagtttgga	cctgcctcct	tacagctcac	1140
ctcatgcttt	tgtttttgaa	cacttccctg	tttctgcta	ttataataaa	ttctaaactc	1200
attttctata	ttatcttttt	catacataga	atcagccatt	tttctaaaga	ttgcttgctt	1260
ctgatgttaa	agaatagtat	ttaaaaaatt	gtaatactgg	gtatgtgcat	tgtaaatgtg	1320
gtataagtac	ttgcaggacc	tctcaaccaa	ctggcctagt	aaactatgta	tctaaccctc	1380
tgtaatgtga	ttacatttaa	aatgagaaca	cactggctct	totaccaat	tatgctacca	1440
catggatctt	tctagccttc	cttctctgac	tgtctataac	ctctcactgc	aaaatgagga	1500
accccatcca	accatatgcc	attttattac	ttagctgcac	aatttcagga	cacatgcata	1560
gcagtatcag	aaatgtaaag	ctgtaccctt	gtaggaaaca	tgtttatcta	ctagaataga	1620
gtgcttatgt	tcagtttctt	tacactttta	acttacagag	tttctcatt	ttcaaagttc	1680
cttaggtcag	caacttcatt	ttccactttc	ttcagtgagg	tcatttcaat	gacactgtat	1740
aatttgattt	atttgaaatt	ctataaaaagc	caaaactgta	gtcaagtga	caacaacata	1800
tagaggatat	tcgaggagtt	tagagactgg	tataaaaata	gttaaaaaga	cactgtttta	1860
gaagattaaa	attattttta	gtgatatgca	atggttcaga	tatgacacaa	tttaattgtc	1920
taagcacata	gttttgtgat	ggaaaatata	aacctaaata	tatacaatta	aaaaaaaaatt	1980
tagcagttca	ttacaccaag	gatcaaatgc	agattgtata	aaattatctc	attacttatt	2040
ttgtgaggg	ggagatttca	tgagatgtat	gcaacaaaga	atgaggtaat	tttctgtatt	2100
tgcataatag	atgttgccat	tactaaaga	cctttaattt	tttaaatgtt	ttttttttta	2160
aatcaatttt	ctatgtgacc	cagggttttt	tctcttgaca	agcaataaac	ccacaggatt	2220
attttctttc	cttggttgag	aaatattttc	ccaaacttca	gctcagttca	ggcatacact	2280
gtcctgaat	gggcattttac	cctcagatgg	gtacacacac	ctgtcaacat	gtggactctt	2340

cctgggtcaag	caaaagtctt	ccccaggatc	tcttacgatg	tcttccctgt	aactcatggg	5880
ttctttcacc	tataaaacat	taacttagaa	caggggttca	attcaacttt	taactctgcc	5940
tattttcaga	gttatactag	caatgatata	tctcagtata	ttttttttaa	ttgtgtatat	6000
tcaatccaaa	gtctggctct	atgcacaatt	tttttgtttt	ctgtgctgtc	agacacacta	6060
ttgtaaattg	ttttctaaca	actcagcata	tgcattgggt	ccagtttctt	ttcctttcat	6120
cggtctgttg	tgcagatgaa	acaccacttt	aagggctcct	gtcctccact	ttggcccttg	6180
gtgttctgtc	tctcaaacct	tctccatctt	ctctttttct	gtcaaaatat	tttatcttcc	6240
tcagtctcca	tgcaggaaac	aggaagtcct	tttacttctt	gtcctccatg	tctggtaaat	6300
cagttcactt	cttttcatga	tcactgaagc	caaccaagtt	taggagagta	acagttctcc	6360
ttagaataca	ctctacctgc	agaccctctg	ccctcatcac	acttttctag	ggctcctgcg	6420
acataacccc	cacccattcc	tctttttccc	taagtaccac	agactaggct	ctgcaactta	6480
tgtaccctc	tgtgtgtctc	gcccaggggc	tcagtagtgc	tttcatgaag	tccaaatccc	6540
taatgtgttt	gcccactctc	agaccacctc	ccagcaagct	gccattgtga	ttgaatcctg	6600
caaagcatgg	gtgcttttca	gtttcctatt	gctggatgtt	ctttattata	aaggcatatt	6660
ggcaataaac	gactagagtt	tgtattgaaa	attaacgcca	aaaagttttt	taaaaagtgt	6720
ttcaaataga	aaagttctat	cctgcctagt	ttaaaaaaat	acaatgttac	tttaatcaat	6780
gatttaataa	aaatttaagt	gatgtttgtc	ttattagtta	ttcaatttat	taataactga	6840
ctgatattta	aaaagtaaat	actggctggg	cgcagtggct	cacgcctgta	atctcagcac	6900
tttgggaggg	tgaagtgagg	ggatcacctg	aggtcgggaa	ttcgagacca	gcctgaccaa	6960
catggagaaa	ccccctctct	actaaaaata	caaaattagc	tgggcgtggc	ggggaagctg	7020
aggcaggaga	atcgcttgaa	cctgggaggg	ggaggttgcg	gtgagccgag	aacacgccat	7080
tgcactccag	cctggggcgac	aagaccaaaa	ctctgtctca	aaaaaaaaaa	aaagtaataa	7140
ccattgtaca	cttaagtaat	atatttggca	agaatggcat	ttacattcat	tcaaaaatga	7200
aactgcaaat	acgagttaca	ttcaattaaa	taattaaaat	aatatagaaa	aaaatgggtg	7260
tgttgttttg	gtgtttaata	tacattcatt	tttgcattga	cgggtatatg	tgtcattgct	7320
gggctgttgt	gtatgtgtgc	gtgtgtgtgt	gtgtctgtgt	gtacaactat	gaagttttaa	7380
atatattatt	aaattacgta	gttatattaa	tccaaattta	tcattgttaa	atattaggaa	7440
aaaaacacca	gtagagaaat	tacagagAAC	atcagcaatg	cctacagcat	ttacaagagt	7500
cacattaata	acaaacaaac	tagttcaaat	gtttagatat	gacacatgca	gtagaaaacg	7560
ttcacatggg	attaacacaa	aaatgggtgca	caactgagga	aattataata	cgttcattgat	7620
attggctaca	taaatgctta	tgatagtaat	gcttttcatc	catcaaatgc	ttatgataat	7680
gcttttcatc	catcatatta	tagatgataa	aacaactcta	taaacacttc	catcactagc	7740
gtttaatatg	agatgcctca	catctttttc	tgaataaaat	aaacatctgt	ccaccacttc	7800
gatgatcatt	tagcctattt	cctctgaaat	aattatccat	aataatttta	gtaacaatat	7860
tattttcaga	agcctatttt	ataaggtctt	tgaactatta	tttttatgat	tgttacttta	7920
tattttacac	actttttatt	tgggaataatt	ataggttatc	agaacaattg	taaggaaaat	7980
acagtgtgtt	cacatccatc	tccaagtttt	cactaaagtt	aatatgtcaa	aaaaaacatg	8040
ggacatggga	ctaatatatt	tacattgata	agtttctgtt	tattcagctc	tgggatttat	8100
ttgaattttg	ccaattttta	acagtttctt	tttttctttt	ttcttttctt	tttgagataa	8160
ggtgtcactt	tcctatttgt	ttttgtttgt	ttctttgttc	aaccacagta	accacatcaa	8220
attcagtcac	catgttctct	tcatatcttc	tggtaaatca	cagtttgggt	tctgtctgtc	8280
ttcccattga	atattctata	aatgaaacta	gtcaaaataa	ttgattctgg	tcacttatat	8340
atttacctat	tttatcacgt	ttgttttgtc	aatcacagta	agtgtogaat	tcgctatctg	8400
ttatagatgt	tagcctattt	totatcccag	atccattggg	taaatctttg	gtgatgcctt	8460
ttagaaaact	gatcccttta	ccctatgtaa	tatgcccttt	gattcctgaa	agtcttatgt	8520
ctacctgtgc	tgaatttaac	atagctaagc	acgctttctt	ttcgttcata	ttttcatggg	8580
ccatgttttc	ctgtatttaa	cttttctatg	tagagcaaat	ttctgtacag	agctagttagt	8640
tgggtcttgc	tttttaaatc	aactataata	attctatitt	aaaactggta	ttactatttt	8700
tctgttaatt	tctgttttaa	tttggcattt	tatgatcatg	tttatttctc	tattaactta	8760
ttgttttagtt	catcttttat	gaatattgta	ttggccctaa	gatatacaat	aagaatttgtg	8820
tataatcaga	ttctaattca	aataacgtaa	aacctcttca	taggttgtag	agctattata	8880
acttattctt	ctaaacactc	tttctcatcc	gttgtcttag	tttattctca	gtttgcactt	8940
atatgtgcta	taaaatataa	tatgtgcatt	tttatcatta	catagacata	tattagaaca	9000
attaaaaata	taaaactac	atttcaactt	ctttttttca	ttcttgacca	catgttttat	9060
ttggatagat	tcatgtttog	gatgtatctc	atatggctac	tcacctgggc	agaaaatttg	9120
ccaaagcacc	tactgaagga	tgaatgcact	agcaataaat	tttctcagaa	tcgatttgtc	9180
ttacagggtg	ttcatttgac	tttcgcttta	aatgaaattt	ttaatatata	tagaattcca	9240
gtttgacttt	aatttgtaat	ttattttctt	gtactcatgt	attcattatt	ttcttctctg	9300

agatggtcac	acattccatt	ctgctgggcc	ttcattatag	atatttgtgt	gtatctattc	9360
agggctatat	ttgcaattta	tggatgccac	aattatcaga	gttgaagtca	gcttctgctg	9420
tccacagaga	tttcaagttc	ctcccatgat	acttgctttt	gtgtccctgt	ttgatccctg	9480
gtctttatat	ttagtttttc	ccaggagggc	tgtctgtttc	agctgtggaa	agtgaccctc	9540
actgacagtt	taaattgatg	actgtgtggt	gaaggagggt	ggacaaagcg	ggacttcctc	9600
caaccttctg	actgagtctc	cttcttatgc	aggagtagta	agcatagttc	tggggagtgg	9660
ccttccacat	tgtcctgtcc	ttaactcttt	ccccagggct	ggaacgtctt	ttcccagaca	9720
caactgtttt	tcaccagtgt	ccccagcttt	ttaccctaata	tccttaccct	aaagagtaag	9780
gatttctttt	ctgaggaagg	agatgggagg	tgtttctgga	tcaagtttcc	ttggtgtcgt	9840
ctgtttcctt	ttgtttctgt	tgacttcacc	acagctcata	tgacacatgc	tttgggtgag	9900
ttcccttgga	ggtagtggag	gtgcattcag	gcattccaca	ggagctgctg	ttcttttccc	9960
cagtcaaacac	cacaagacac	cagatgagga	agttgtccgt	ggatttttca	agttctctag	10020
gaaaagcttg	caagcactag	gccaatctaa	caccattagt	acatgcatac	taaaaaaaaa	10080
aaagtcatta	agtattttct	ggttagtctg	tttctatctc	aaatgccatc	cagtggcacc	10140
tgcctacgt	acactagcag	gtaggtcctg	gttctctctg	caggctccta	tcttctcaga	10200
tttcagtttt	cttggtttgct	tggtgaaatc	aactcagata	tgttgaatgt	ttttctctct	10260
ttttattttg	agctgttcag	cttcgttgtt	aatgagggtca	gaataaaatc	acagttttct	10320
catttttttt	acattcccac	actgaatagc	tgttttccgt	ataaaagcca	gaaactgaga	10380
gaacacattg	aatatccatt	acaggtgaat	gttaaacaat	ttgagatatg	tttgtgtact	10440
ggaataaaat	gctgcattac	aatcaagta	tcactcatte	acataaaaca	tggccacatt	10500
ctcaaataat	gtagggacct	gagtgcctct	ccatctactg	gcctctcctg	gggcccctag	10560
ctggccacac	cttcttgcag	ggcagtcctg	gacgccctgg	gatcccgcac	caaaatttct	10620
gccttgccag	aacatgcctg	actggtggag	agctccaatc	gggcagccct	catgtgcaca	10680
caccagctta	cacacttctt	ccgaatactg	taggttcacc	caggcccacg	taacttccca	10740
catcactttg	cagtcacatg	tctgtatagg	tgggttttgc	ttttcttctc	ccaccattgc	10800
gtggagtgca	gtccctctcc	cccaccccaa	ccaccatggc	agagggaagct	ttggtgggga	10860
aaaagccagg	gccgtctctg	tcagcgtccc	gcacttgccg	taattctgca	cagagaatag	10920
cagatcatct	cacacattca	gaaatcactc	ctgcttgtgg	ggcatgaata	cggcaccctg	10980
gcctgtgccc	acaagtgtcc	catccttgag	ccaacacctc	ctccagtgtg	accttgaaca	11040
cagtcaccaa	cagggcccca	cagacgcaat	gcctctgcc	ctgtggcgaa	cacctgcagg	11100
gaggcaggca	cccagacacc	cactagcact	ctgccacagc	tgccacacct	ccaacagccc	11160
aggacagtgg	attcctaacc	ttaaggagcc	ggagaaacca	gtcagggaact	agtataactt	11220
ccccagagt	cagagcacac	agtctaggtg	ttgggagctg	agcactggcc	acctaaattt	11280
ttccagaaat	gaagccagtt	ggctgaatcc	accttatacc	acaatcaaac	cctcaaggtc	11340
atccaatagg	gtaaaagaaa	ataaaaatgt	atccaaagggt	cagcaacttc	aaagattgaa	11400
ggtggataag	cccacaaaga	tgagaaagaa	ccagtgcata	agtcttgaaa	acaaaaaggg	11460
cgccctcttt	cctccaaaca	accacagcac	ctcttcaaca	gcagttctga	atggggctga	11520
gatggctgaa	atgacagaaa	cagaactcag	aatatggaga	gtgaaaatgt	agatgaatac	11580
agctatttat	ggagaatact	ataaatgttc	ctcaaaaaat	aaagaaacaa	aatctactgt	11640
agaatccagc	agtctcactg	ctggctatgt	atccaaaggga	aatgaaatca	acatgtcaaa	11700
gagatatctg	cactccatgt	tcacgtttat	tgacagcatta	tttaaaatag	taaagatatg	11760
gaaacatcct	aaattcccat	gaatggatga	atgaataaag	aaaatgcata	cagacacaac	11820
agagtaaatgt	tcctccttaa	ataagaagga	aacctctgct	ctgtgacagc	atgcatgaat	11880
ctagaggacc	ttatgccaa	tgaaacaagc	caggaaacaga	ggaagagtca	ttcatgatgt	11940
cactgtatat	attaaagcag	tagacttgca	gaggtagagt	agaatgttgg	ttaccagggc	12000
ctagaggggt	ggactgggaa	aggagatgt	gggttaaagt	gcacaacgtt	ccagttagac	12060
cgagggtata	agttatgcct	ttctaataca	cagcatgtca	actatagctg	ataaggtagt	12120
atataatttca	aaattactaa	aaaaataaac	attagaattt	ccccactaag	aaatgataaa	12180
tttgtgaggt	gatgaatata	agcggcttga	gttaccctag	tcataatgta	tacatgtatc	12240
ataactaaac	aacatatgtc	ataaatatat	gcaaaaaatta	tttgtaatgt	ataataaaat	12300
aagtttcata	tttaataaat	tacattaaga	aatgaacag	aaactttcag	atttcaagaa	12360
tattttatat	atatattat	atatctttaa	acaaacttgc	aacagaatat	agaaataagt	12420
tttacgactc	aatggaaaag	aacagaattc	aataaaaaact	ggctaaaaga	aacaacagct	12480
gcacatttat	agaaaattct	ggaataatca	gccatataaa	gattctcact	ctcttagaac	12540
tagaattccg	taggacttgt	aatctctcct	gacctgggtg	ggaggcaaaa	ggaagaacag	12600
ctaattggtga	ttcagtgagt	tttatacctg	tgtgtacttc	tgtgtcact	cagcagaaag	12660
aaaagaagaa	aagaaagaaa	gagagaaaga	aagaaacaga	aagaaagaaa	gaaagaagaa	12720
agaaagaaaag	aaagaagaaa	agaaagaaaag	aaagaagaaa	agaaagagaa	agaaagaaga	12780

aggaagaagg	aaggaaagaa	aagaaagaaa	gaaagagaga	gagggagaga	gggaaggaag	12840
ggacagcaga	agtcattgtg	gtgtgtgtga	aagcacaaac	cttgggctcc	cccacatcca	12900
tctctactoc	agtcccatca	atgtccagca	aatacatttt	ctaagatgaa	gtatttttaa	12960
ctttctaaat	cctgctagaa	aacccctcag	ctctttcagt	tttgctctat	cacttgaatt	13020
attgaattaa	atctagtttt	tgtgggccta	tcaataccat	aagccaaaat	aacacatgaa	13080
gaaattgcac	tgagacacat	gaaaaccttc	tgaaagctcc	ataatttcag	atctgcattc	13140
ttatttcccc	gaacctaaat	cactgaatag	agactcagaa	cgagttgatc	ttgttcctga	13200
acgtgcacag	agccaaggac	atcctgtctg	tctggaacag	ctcaggtttg	ttcctgtttc	13260
tcttagagga	tataaaatct	tgagttaggg	aaaaacagcc	agggacaccc	tgggctttgt	13320
tcttctctcc	cctggaggca	ggatgtcctt	cagagctttg	tcccagtggg	taacacagct	13380
gctgaggtgt	acaacccacg	tggcctcgct	ttggctcact	ttgcatgggt	agcctgcttt	13440
gcaccatggc	ctacaatatg	cgtgtgtctc	taatctgtct	ccatcttcaa	aatgacatta	13500
ttccacatca	aatctagtgc	aggtgcctca	cacagaacat	tctcaattac	ctccatcatt	13560
cataaaattg	atgccattaa	tttcaagtat	acatacatca	gactcattta	acgtattgtt	13620
attctcattg	tttgaaacat	aactttttaga	tcaaataatt	aacaataata	aaaaataaaa	13680
ttttgaagtc	aggtaaltgt	atttctctag	ttgtgttctc	tttgctcaga	atggcttggg	13740
ctgttctgca	tcttttgttt	ttccacatat	attttaggat	tttttaaaaa	tttctgtgaa	13800
gaatatcatt	gttgttttca	tagggattgt	actgagctct	tagattgctt	taagtattat	13860
ggacatttta	acaatatatt	atctttgaat	tcataaacat	ggaatatatt	tccatcttgt	13920
gtcctcttta	tttccatcaat	gttttataga	tttattgtag	ttttttttta	ctttgtttac	13980
tacacattgt	atgcctgtac	caaaacatca	catataccca	acaaatagaa	atatatatat	14040
tattatgtgc	ttataacaat	taaaaattat	gtatgtatat	tgaatctatt	caaaatcaga	14100
aactatttct	ttttactggt	tgttaaggct	tgctcttagg	ctataaaaaag	aatttgtaaa	14160
actcaacaga	aagcataata	taaacagaat	tctaaaaatga	gtgaaaatct	gaacaaacac	14220
ctcaccaaga	aaaaatgtta	tctgaaaata	agaatatata	aaattgttca	gtatcaattg	14280
tcataaaact	atactcataat	ttaccaaata	caaaagtaaa	catgatgtat	ttcaacagaa	14340
ttgattctca	aataatttga	tactcataca	gtggaatact	atcagtcata	aaaactatgg	14400
gttattaatt	cagaagacaa	catttttaaca	ttttttctaa	gtgaaggaag	atggacaaaa	14460
gagactaagt	attgtacaat	tccattcatg	agacctgcta	aatacagtaa	aattaaaagg	14520
attttaaaaa	cagggtttgt	ataggcaggg	cttttgggga	aagacaagag	actgacttgg	14580
caaagctcag	gggatatttt	tagggtaaaa	caaactgtgt	gccatttgtga	tatgctaata	14640
ttcttattat	atttgttcag	agttaatagt	gtacgtttca	accaactcgg	tgattttata	14700
ttttctattt	gctgatagag	acatgttcat	ttttgtcaat	cactttgcta	aatgtggctg	14760
agaggctgtt	gaaatgaacg	ctgagcaaat	gtattcacca	aatctacaag	agcaaattat	14820
ttgccaattg	ctgattgagt	ggggtctata	atgtatttga	gattgggtgt	ggggatgtta	14880
ttgtgtgaga	tcatgatgtt	tagaccatga	cactctctgg	tgagggatca	ctcattcatt	14940
gcacatttaa	tgaaaggcag	gtaggaggag	cagaagggga	tgagtccacac	tcttgaccac	15000
agccacaggt	tattgaaggc	agaactgatg	taatccocta	aggtagacca	ctgcccctcc	15060
aaggtagcct	tatcctagag	ttgacacaca	tcttgggaca	ccagagacaa	ctccttctct	15120
cccctttctc	tgcacttcag	ctggaagcaa	ctgtctcacc	gagcaccttg	tgtaaaggaa	15180
tgagagttcc	tgttccaggt	gtgagggccc	aggtgcatcc	acttgatcca	gcacaagagc	15240
aagaacagcc	ttccagaaaa	tgacatcgcc	tgaggataaa	ccagctctca	ctgtctgcag	15300
cttctcttga	ataaaaagga	aactgttgaa	acttctcat	aagtgtcctg	ctgtgccatt	15360
ccctttgtcc	ccacatgttc	agttgtgtct	gtccagatgt	cacttttgtg	tagggagatt	15420
agggttctgc	ttccagtacc	agaacacaca	tgacctctta	ggggacttca	gggttttgc	15480
gacatatgtg	atgatcttaa	aagtcattag	ctccatttct	acatcaaaaa	acatctgaac	15540
caaaggagca	cataggctca	ggcctgtaat	cccagcactt	tgggaagcca	aggcagagga	15600
atcacttgag	gtcaggaatt	tgagaccagc	ctggtgaaca	tggtgaaacc	ccgtctctac	15660
taaaaaatat	atacaaaaat	tagccaggcg	tgggtggcact	agcctgtaat	cccagctact	15720
tgaaaggctg	aggcaggaga	attgcttgaa	cccaggaggt	ggagattgaa	gtgagctgag	15780
atgcaccac	ttcactccag	cctggggcag	agagtgaagc	tccatctaaa	aaaaaaaaaa	15840
atttatatat	atatatatat	atatatatat	ataataaata	tatattatat	atcatatata	15900
tattttatat	aatatatatg	tatatattta	tatatattac	atacatatca	atatatgata	15960
tataatatgt	ataataatgt	tataatatgt	atattcatat	attatataat	atgtatattg	16020
atatatatata	cacatatata	ttttgatata	tatatatctc	caaaccatct	aaatatcaag	16080
tatttttttaa	tccatctaag	agctgaaatt	gctgaaaaaa	ctactccctc	caaaagctgt	16140
agagacaggc	acatccacag	tcacagcaga	gacttgctga	cttgggaagag	aagctcctgg	16200
agacacattg	gtgagaacat	ttacctgggt	attatgctga	atgtctggag	gacaaatgtg	16260

gactaggggg	aggggtgagca	ctcctagagg	ctgtacaccc	cacacttgtg	tggacttggc	16320
ctccaggggc	ttcagggttct	cgtggaagca	attaaaaatag	attccctata	gccatgaact	16380
ggggaggagt	aatcacggag	aaaagatgca	caaaaagact	tttctagaaa	gctcatccaa	16440
gggaagggtat	tctccaaaat	cttagtttat	gtgggggaag	gaaatacttc	caaattacag	16500
acccctcctc	ctcagccttc	ctctatcacg	caaatacata	aattagccaa	gaggagtccg	16560
attcaaggcg	gtagccctgg	gtgcagcatc	tgcagaaggg	aggaaagaga	gaaaatcagc	16620
tgtatcactg	gagattcctt	gtgaagggtc	ctgctcagga	gaagagggca	accaaaccag	16680
ggagagtcaa	ctgtaagaac	ataccatgct	cccctgcccc	acacattacc	tcttcaacag	16740
catcattaat	atggattaata	gagggcagtg	tgatttgcctt	agatctgttt	gagaaaagaaa	16800
gtcacatact	gagggcctagg	gtcagggtcg	gcggcacttc	ccgtgagtaa	gatactacga	16860
agaaggaaaa	attaggggtc	cataactgtg	aaaatcagcc	acagtgtgtg	tgagaatgtt	16920
tgtgtttgtg	tttctgtgtg	tttgagttag	agttatttga	acagcggacg	tggagtgcgc	16980
tttaatccac	atccatctgc	agcttcaggt	attctcagat	gcagtattca	tctgcaagag	17040
ccgaaatgag	aaaagagcca	cctccaaccc	ccccagagtt	ttagcctccc	tttgtttcca	17100
gtgatccagt	gcattctagac	ctccaggaag	tggactccct	ggtgatttta	gcgattcttc	17160
tcttgagacc	accctgaaga	ggacattggg	tttccaaagg	cccattcact	atttcaagaa	17220
gtggtgccat	cagctcatgt	tgtcactgaa	ggagcattct	gagccagggc	acagtccatt	17280
cctagtggag	tacagaggct	gagagaaaaa	tgctctgtga	gacccaatgg	gaagctccct	17340
gcagtgcaag	gtctgggttg	cagggagcgc	tagggcctcg	cccagcacag	gctgcagccc	17400
tggagcaggt	gcaagggagg	ctggggaggg	gttccctcca	gggtctgatg	tcttcccttt	17460
ctcggacaaa	catgctttaa	taagttaaac	aagactttag	taaagactat	tgatgtgtct	17520
tttgttcttt	cagtatacag	ttctatttgt	aggatttata	taacctaaac	agtcaatgag	17580
aatcacatgt	aaaaggagaa	atttctagga	ttttcagata	tcttaatagg	taggagatgg	17640
agaaaaggga	tggtttttatt	aattcagtcg	ttgccaatct	taacagagac	agtagtaaga	17700
catgcagaaa	gcaaagccca	gaaaagtatg	aaggtgtcaa	agtgccattt	aagtatgggt	17760
tcacttggag	gaccatgttc	tgccgggaact	tgttttcagc	agacaatcta	tttttagcaga	17820
gttctgggca	tacaagggga	cacacatcat	taaacaagga	ttgggacagg	gacttcagcg	17880
tcccactggt	gcattggcca	taaattatgt	gtgtttctct	tctcatcttg	gatcaagtct	17940
agagctatga	aatagtatcc	ctcatgaata	tgcaaaataac	ctgagattta	ctgaagtaaa	18000
tacagatctg	tctgtgtccc	tgagagcatc	accagcaaac	cacatctgtc	ctctagagaa	18060
tccctcgaga	gctcggttcc	tcacatgga	ctggacctgg	aggatcctct	tcttggtggc	18120
agcagccaca	ggtaagaggc	tcctagtcc	cagtgatgag	aaagagattg	agtccagctc	18180
agggagatct	catccacttc	tgtgttctct	ccacaggagc	ccactcccag	gtgcagctgg	18240
tgcagtctgg	ggctgagggtg	aagaagcctg	gggcctcagt	gaaggtctcc	tgcaaggcctt	18300
ctggatacac	cttcaccggc	tactatatgc	actgggtgcg	acaggccctc	ggacaagggc	18360
ttgagtggat	gggatggatc	aaccttaaca	gtggtggcac	aaactatgca	cagaagtttc	18420
agggcagggg	caccatgacc	agggacacgt	ccatcagcac	agcctacatg	gagctgagca	18480
ggctgagatc	tgacgacacg	gccgtgtatt	actgtgcgag	agacacagtg	tgaaaaccca	18540
catcctgagg	gtgtcagaaa	cccaaggag	gaggcagctg	tgctggggct	gagaaatgaa	18600
agggattatt	atttttaatg	ttgtttacag	tatgtcatta	ataaattgaa	aaaaagtaac	18660
aataagaagta	tatactctaa	ttatatggga	actttgtttt	ttcagttttt	tcattttttt	18720
tttttttttt	gctttgtttg	tgacagagtc	tcactctgcc	accaggctcg	gagtgtaacg	18780
gcacaatctc	agctcactac	aacctccacc	tcocaggttc	aagcaattct	cctgcctcgg	18840
cctccagagt	agttgggatt	acaggcaccc	gccaccatgc	ccggtgaatt	tttgtatttt	18900
tagtagagac	ggggtttcac	catgttagct	aggctggtct	caaactgctg	atctcaggtg	18960
atctaccctc	ctcagcctcc	caaagtctcg	ggattacagg	cgtgagccac	tgccgctggc	19020
ccaattatat	gggaattgtt	tatataatta	tcacctata	agcaaaattc	atggaggagg	19080
aaaagctcta	ctgaagaaag	ctgataccgg	cattcccattg	aaagtatctg	tgtagaagta	19140
agtattaaaa	tcagttgaat	aggcaaggca	tggtggctca	cgcctataat	cccagcactt	19200
tgggagaccg	aggcagggtg	atcacaagggt	aaggagttca	agatcagcct	gcccagatg	19260
gtgaaacccc	ttctctacta	aaaatacaaaa	gaattagctg	ggcgtggtgg	tgggtgcctg	19320
taatgcagc	tattcgggag	gctgaggcag	agaattgctt	gaacctggga	ggtgaagggt	19380
gcagtgcagc	gagatcacgc	cactgcactc	cagcctgggc	gacagagtga	aactccatct	19440
caaaacaaaa	caaaacaaaa	caaaacaaaa	aaacagttga	ataaagtacc	ttagagtcat	19500
ctgttcaatt	aacatgttta	actccaaaga	aataactgaaa	atattttcca	aaaagggaagt	19560
gccattttac	gttccctacca	acagtgaata	agattttctt	ttctggagcc	ttgtcagtat	19620
tcactaatgc	tttgctgtgc	agccgttgta	atattatagt	aatgagtag	cagtatttaa	19680
tggttgtttt	aaatatacat	attcttaata	caaagtcctg	atgaacactt	ttttatacat	19740

tcccaaccct	tggctccttca	gaatgaaatc	atacttggat	tagtgtcctt	taaagagggtg	23280
aataagttaa	agtgagattc	ctggagtggg	gccctaatagc	aatctgactg	ttgttataag	23340
aagaggaagc	aggagggagg	gtgcacaggg	cccgaggggac	ggccatgtta	ccacagaaca	23400
gtgagaaggc	gccatctgca	tgccagggag	cgagacctca	gaggaaaccc	acccagctgg	23460
cagcttgatc	ttaggctttc	atcctccata	agtgtgagga	aattggtttt	gtattgtaag	23520
ccatccgate	tgtggtatth	cgttataaaa	gccctataaa	atgaatacag	taggtaatag	23580
gagagcttct	atacattgaa	aaagtcggat	ggccagaaaa	acctagacac	tcctgttcag	23640
acctgagcag	ggtgatggac	ctgctttggg	acaggagagg	ggaagagatg	aaccagacac	23700
ccagaccagc	ctgagcccat	tcctcagcag	gccgtccctg	ggccggagct	tgcacaggtg	23760
tgaagaagcc	tgtcttgggc	ttcaggggct	catggagtgt	gacggagaat	ggtgtagact	23820
caagaacaag	tcacgtgtgt	ccccgtgttt	atctgaatgg	gatgtgtttc	taggggtgtg	23880
tcattcccaa	agaagaatta	atcaggtctc	ttgggctaaa	aagaggttgt	ggcatttgtg	23940
tgtatttaata	actgtggtcg	gacagtaaat	tatgttaaac	tgcttatggg	aaggcacaa	24000
ggaaagaaac	actttgttac	agaaggaaaa	aaaaggtgat	tatttaaatg	aggtgccttt	24060
gaaggtcacc	atgccaagag	gagcccatca	catgatagtg	ctggctttca	tgttcaggag	24120
atcaggaggg	tcctgtccgt	ggcttttatg	acaccctaga	cagagctgag	agtgtaatgt	24180
atgaatggag	gggaagtggg	gagaggggag	gccaaatggt	tggtgggaat	ggaggggtc	24240
tattggagcc	attaggaat	acacaagcat	gaattatgct	ggaggacaga	acagtgttcc	24300
tggggaatat	tgtgttgctt	tgggagctgc	tgaacataca	ggagtttcac	tgttcctagt	24360
tctcaaattc	tctagactct	ctggacaacc	cagtttttaa	tattgggaat	ataggtaaga	24420
cacattcggt	attaaaaaatt	attaagagaa	gatgtaggaa	gaaatttaaa	gtaatccatt	24480
tggttatgaa	aatttagtta	cagcgaactg	tgatgtccgt	ttcttacttg	gaataatgga	24540
atgtaagtca	ttagtcactc	caacgggttc	ttttccata	accatcaatt	acaaaactgc	24600
ttagtaattt	cctgaattgc	ccaccataga	aactgacctc	acatttcttc	aatgagaaac	24660
tggcagtcct	gttgatccag	cctcgttctt	cccatcaggg	attttgtatc	tctgtggaag	24720
tgtggcacag	tgtgtcatat	ccatcggcat	atggcctcag	gaaaggcgcc	agcctatcca	24780
tgcattgatg	agcttactta	gggatgaag	ccgcctatgt	gggtgagcca	gtgccaacag	24840
ctgaaagaat	caactgcctg	gtgtatgatg	cttttatgaa	aacaagccca	gggcctcttg	24900
cattcttctg	tattagattc	tctggtgaag	atttttatct	atttctgcct	gaaattgcca	24960
catataatta	cctggaagca	ttacaataaa	ctgatttggg	agttaactga	cttctcgtgt	25020
aggttaaaat	gagtgtcagg	tgcatagtga	gacagaccgg	agacatggat	gcatagcaaa	25080
cttgtgctca	ccatgggttc	tatcttagtt	agggaaactt	ctgtaccttc	cttagatggt	25140
caggcaactc	attgaggacc	ctggcataac	attattttatt	gacagaccat	agctcaaaagt	25200
atagaactgg	atactacca	ggaggatata	ctattactat	tttatcttta	tcttaaaata	25260
tactcttcca	tctgaggtga	aaattaatcc	agatggtaga	acttattgca	gttactacag	25320
catttttagca	aatcaaaagc	cgcagaacaa	acatatggac	agatggcagg	tatgttttct	25380
gaatcgtaaa	caagtctctg	atgactgtaa	aaccaagggg	tgtctcacga	gggctggaaa	25440
cctctcacia	tgaacaaca	caatgaggat	ctttgaaaag	tactctgacc	tcctgggtgag	25500
ctggctgata	tggaggctga	gctccatgta	gaaagccaaa	ggaatttctg	caggacgtca	25560
tcattgccaag	cacagccgta	acctgggtcc	cagccctttt	cacacgtcca	atgggttagat	25620
cttgggaggg	aatcaaaag	gccatagtaa	aatatcaaaa	tttaaacccc	gattttgaat	25680
ttaaaaagtg	ttaaaatatg	gttgtggcct	acactcagaa	aatctgtgtc	cttcagatgg	25740
tttctcagtg	gcaccagatg	gtttcaagtg	gctattcatt	aagtttctca	gtgaaattac	25800
cagacataga	ataaataaat	tgtcactgtc	ttaaatcaac	ccatgggaaa	ggaaaactgt	25860
gtaataacag	cagagaggaa	acattgctca	agggaaaaac	aatctccaga	aagtattgtt	25920
aaagaaacag	aggccctctt	tcagccagc	gccgagcgat	gggcacctct	cgggacaact	25980
ggcacaaggg	ccgcaaagct	gggggcaaga	gaaggccctg	ccacaagaag	cggaggtatg	26040
agttggggcg	cccagctgcc	aacagcaaga	ctgaccctgt	ccgcattccac	acagtccgtg	26100
tgcgaggagg	taacaagaaa	tactgtgccc	cgaggctgga	cgtgggggaat	ttctcctggg	26160
gctcagaatg	ctgcgctggt	gaaacaaggg	tcattcgatgt	tgtctacaat	gcattccaata	26220
acgagctggt	tcgtaccaag	accgtggtga	agaattgcat	cgtgcccatt	gacagcacgc	26280
cctaccgaca	tgggtacgag	tcctactgtg	cactggccct	gggcgcaag	aaggagacca	26340
agctgactcc	tgagaaagaa	gagattttta	acaaaaaacg	atctaaaaaa	attcagaaga	26400
aatatgatga	aaggaaagag	aatgccaaaa	tgagcagttc	cctgggggag	cagttccagc	26460
agggcaagct	tcttgctgtc	atggcttcaa	ggccgggaca	gtgtggccga	gcagatggct	26520
atgtgctaga	gggcaaagag	ttggagttct	atcttaggaa	aatcaaggcc	cagaaaggca	26580
aataaatcct	tgttttgtct	tcacccatgt	aataaagggt	tttattgttt	tgttcccaaa	26640
aaaaaaaaag	aaagaaaaag	aaacagaggc	atcacactta	ctagaaaaac	atattctatt	26700

tcatatatta	tggggatatg	acgtgatgtt	ttgacatatg	cgggcattgt	gaaattatta	26760
aatcaagtaa	ataaacatgt	ccatcacctc	acatacttat	tttttatggt	gtaaacgtgt	26820
aaaatctact	ctcttatcag	ttttcaagta	tatagtacat	tagtatcatg	gaagtcacca	26880
tgctgtgcaa	tagatcttca	aacgaattcc	ttctatctaa	ccaaaactct	gtacccttct	26940
accaacgtct	cagctttcac	atgcccctga	cgcagccccc	tggtaggcac	cattctactc	27000
tctactctga	gttcaacatt	tttagattgc	atgtgtaagt	gagatcatgg	agtaattttt	27060
tatacctggc	ttatttccact	caacataaag	agtcaaatgc	tcaacatcac	taatcatcag	27120
ggaaatgcaa	attaaaacca	cgataagata	tcacctcaca	catgttacaa	tggcttagtc	27180
tcagtctgtc	tttttgttac	tataaccgaa	taccagagac	tgggcaattt	ctaaagaaaa	27240
ggaatttatg	ctttatgggtg	cttgagtcag	agaagtctaa	tatcaaggca	ctggcatctc	27300
acaagggcct	tctcactgcc	tcctctcaca	gcagagggtg	gtgagcaaga	gaccatttgt	27360
ccacgagaga	aaagagacca	tcttttatta	gaaattccact	cctataataa	ctaaccctact	27420
ccattgatag	tgacagtaat	ccattcatga	ggacagagcc	ttcatgactt	gatcacataa	27480
taaaggtccc	acctctcaac	actgttgcac	taaagattat	ttccagatcc	taaacttttg	27540
gagacacatt	taaaccatag	cattccattc	ctaatatcaa	aattttatgtc	cttatcacia	27600
tgcaaattac	attcattcca	tcccaattgt	ctccaaagtc	ttatccagca	tcagtgcata	27660
agtctgaagt	ccaaagtctc	atctaaatca	gatatgagtg	tgactcgagg	cacaatttag	27720
cctgatataa	attgtttcca	tctgcgagcc	tataaagtca	aaacaagtta	tctactttca	27780
aatacagtga	acaatggggc	aggtatggga	tagaaattcc	cattccaaag	ctcagagaga	27840
ggcaaggaga	aagcgggtgc	tagttcaaaa	cccaacaggg	aaaaaaacat	taagtcttat	27900
agctggaaaa	tcctctctct	taacgggcatc	ttgtgcacac	tggggagggg	gatgggcccc	27960
caaggcctcc	ggcagtcctg	cctctatata	ttttctgggt	tcagtcact	cagccgctct	28020
cacagggtgg	actctcaggc	ctctagctct	cctaggctga	ctggaaactc	tttgtggtac	28080
ctccaaaccc	acatttctgc	ttggcattgt	gctaagggcc	cagtggtgtg	actctgtctc	28140
tgcaacaagt	cactgcccga	gaccttaggc	tgtccttagg	ctgcccagga	ccttaggccg	28200
tccacagcat	tctttgaaat	ctaggtggag	aaagccatgc	cctcgtgggt	cttgtattct	28260
gcacacctgc	agaattaaca	acacatggat	gccatggaag	ttgatgactt	gtaccattaa	28320
agtgatggct	tgagccacac	ctaggtcctc	ctgagccaca	gcagggcag	ccaaggagtg	28380
ctgtgcctgg	acaccgggaa	cagagtccta	aagtgcctgc	tagaagtcag	gccatagatt	28440
tccttcaaatt	ttctcccacc	atataacctc	gttcatggct	ctgaacttcc	accttacaga	28500
aggacctagg	gatgaacaca	attcagccac	gttctttgcc	acttttatggc	aaggatggcc	28560
tttgctccat	tttcogatga	gctattcttc	ttttctcct	gagacctcat	cagaacggcc	28620
tttattgtcc	acggtttctac	tgacattcta	atggctcatca	cctaaataat	ctctaagaag	28680
tttcagaatt	tcctcacagc	tctcttcttc	tgagtctctc	aaagaatcac	ctctagtgtt	28740
ctattcaggg	caatccagac	tttttatagt	ctgacctctc	aaattattcc	agtctttgtg	28800
cattactaca	tccacttcta	cattttgggg	tatttggtat	cgcaacagcc	ccacctcttg	28860
atactgattt	ttcgtcttag	tccactttgt	ggtgcaatga	gtgaatacca	cacactggct	28920
aaagtataag	gaaaagaaat	ttattttctc	gcagctctag	aggctgggaa	gtcaatatca	28980
aggtgttagc	atctggcaag	agccttcttg	ctgtgatgtc	catgtggaag	gcaggagagc	29040
aggtgccaag	gatggaaaag	ggttttaaact	catttttttaa	tgaggaaacc	aggcctgtag	29100
taactaatct	gctaccacaa	tgagtaacct	actctgacga	taatggcatt	cattgcttca	29160
tgagggcaga	gccctcatga	cctaactcatt	tcttaacatt	cccacctctg	gacactatgg	29220
aatttgggat	taagtttcca	atacacatcc	tttctaaaca	gcaggggctt	tttaatagggt	29280
tgaccaccca	aggctgcagg	aggctctgaa	gcagtgccct	gagggtgggt	gtcctttgtg	29340
agaatggaga	gaagtgaact	gactcatgga	gacacaagta	gatgaggtaa	aggcattcat	29400
tgcttcatta	catggatggt	gaggctgatt	gaaggcatta	acggattaaa	gatgggtggca	29460
aaaccgtctg	aggtggagac	cacggggaggt	ccatcagaaa	tggaggacac	gtcccaataa	29520
atggtgcttc	atltccctgc	aaagcagaag	aaagcaaaga	acaaaacaca	acatcatagt	29580
gtacactgag	cagtggattg	agagaagagt	ttcctaaggc	ataactgaca	gagtggagaa	29640
gacacacaaa	tctttgcatg	atgctaacat	ttggactgtg	gcttcattat	ttcttattaa	29700
tattttactg	aaatatcgct	agaaggagac	tgaaaatgaa	gtgtgaaaag	ttaaatggga	29760
tttctgctct	atgtcctttt	cagatgagag	gaactaggga	attccaggga	agaaacaata	29820
atagctgctg	agcaaggcct	ttgcagggca	ggacaaggaa	tccccaagaa	gaaaacggaa	29880
acctcagctt	cactttgcat	ctgctcctga	ccaggtcct	gagcgacccc	tgtaggctct	29940
gagtgcctct	ccgtagggtt	tgagcatccc	ttgggtgctg	ggcgccctct	ggtggtgtct	30000
gagccctct	ggtggtttct	gagccccctg	ccttatgtct	gatcctccct	ggtggtgtcc	30060
gagtgcctct	gctagtgtct	gagccccctg	gtggtgtctg	agtcctcttc	ttagtgtctg	30120
agccacccta	ttagtgtctg	aggaccctg	atggtgtctg	agcccccagt	tagtgtctga	30180

attgacagca	ttgtctaaaa	tattgatctg	cggtactata	tttatctttt	gaccatatat	33720
aataatcgtg	accacagccc	tgtgaatgaa	tatogaatto	agagtgcgat	gtttacctat	33780
tttaaaacaa	ctttttttga	tacttttcat	gttcattcat	ccacactact	tattaaatac	33840
gtgccacatg	aatctaacta	tgaacctgaa	aggatataact	tctgttcccg	tatagccctg	33900
ttacacattg	gtactccagg	cagacattat	ttatttgtag	ccgtcataat	aaccacagaca	33960
cagatgagaa	gtattgggtc	ggagtatgat	gataactact	gcacatgtca	gagaagggcc	34020
tcttgcatga	tgcagcgatt	tcttgggatg	acagatgcgt	tcagtaactg	ttcttatgga	34080
catgcacaaa	attgttttat	acattcaggc	cgtgtgtgtt	ttgaaacact	tgctcctgtg	34140
tataacgaaa	ccatgacaac	ggttcgctgt	ggaaacctca	tagtggaggg	gagggaggaa	34200
tgtgactgtg	gctccttcaa	gcagtgttat	gccagtlatt	gctgccaaag	tgactgtcac	34260
ttaacaccgg	ggagcatctg	ccatatagga	gagtgtgtga	caaactgcag	cttctcccca	34320
ccagggactc	tctgcagacc	tatccaaaat	atatgtgacc	ttccagagta	ctgtcacggg	34380
accaccgtga	atcgctcccg	aaacgtttat	atgcaagatg	gaaccccggt	cactgaagaa	34440
ggctactgct	atcggtggga	ctgcactgat	cgcaatgtgc	tctgcaaggg	gatctttggt	34500
gtcagtgtgt	aggatgtctc	cgagggtctg	tatgacataa	atcttgaaag	ctaccgattt	34560
ggacattgta	ttagacaaca	aacatatctc	agctaccagg	cttgtgcagg	aatagataag	34620
ttttgtggaa	gactgcagtg	taccaatgtg	acccatcttc	cccggtgca	ggaacgtgtt	34680
tcattccatc	actcagtgtg	aggagggttt	cagtgttttg	gactggatga	acaccatgca	34740
acagacacga	ctgatgttgg	gcgtgtgata	gatggcactc	cttgtgttca	tggaacttct	34800
tgtaataaca	cccagtgcga	tgtgactatc	acttactctg	gctacaactg	ccacctcag	34860
aagtgcggtc	atagaggagt	ctgcaacaac	agaagggaact	gccattgcca	tataggctgg	34920
gatcctccac	tgtgcctaag	aagagggtgt	ggtgggagtg	tcaacagcgg	gccacctcca	34980
aaaagaacac	gttcgcgtca	acaaagccag	caatcagtga	tgtatctgag	agtggtcttt	35040
ggctgtatct	acgccttcat	aattgcaact	ctctttggga	cagccaaaaa	tgtgcgaact	35100
atcaggacca	ccaccgttaa	ggaagggaca	gttactaacc	ctgaataaca	ctaattcagc	35160
ctcccgatcc	ctgtaaagat	acagagaata	taacagcaaa	atctatgaaa	caggatcagg	35220
ggaagggatg	gcaaagctca	agtccacatt	tcttgaagtc	cacaggaagc	acagggctct	35280
gtttcacatc	acagggaaac	gggaggcatt	ggcttctgtc	ccaggttctt	gtaggtcgtc	35340
gatgctcact	ctgaaataaa	tcttcaaaaa	cacacattgg	tgccttccac	attttcttag	35400
actcctctgg	gagcccaaac	ttggccagaa	cctcttgcc	ggagagacat	gaatgagcat	35460
ctggctcttg	tcttgaggtc	tctgggtcca	gaattaacgg	aagttgccac	cagctcctta	35520
cagggaaacat	tcatgacatt	tctccagaag	agagctccag	agcaatgagc	ttctctatc	35580
cccaggtaat	ctgtccttct	ctaaacccga	agtcagttta	gggtgatcca	gggtactcc	35640
ctgttccctg	tctgttcttc	acgggggtgc	tgtgggtctt	gcagtgagag	ggacttgggt	35700
tcaaataccc	caccaagcaa	atccccctac	ctggggccga	gcttcccgta	tgtgggaaaa	35760
tgaatccctg	aggctcgatt	ctgcatgcaa	tgaatttcaa	ctagaaaaat	aggtagacgt	35820
gaggggcaag	ctgtctgtca	tttagtgtga	gctctgtgag	tggcagctgc	cccccttctt	35880
cctgccccca	catttccctg	aactgaaaca	ggaaggggag	ctgagtaagt	cgtgatgagg	35940
aagagaaacc	aggcttgtag	cagcacaggc	tggctcgggt	ggaaaacagg	gctaggtgta	36000
tactgagtt	attgtaaaag	aaaatggaag	ttaaatgtat	aaataactga	atgagataac	36060
attttatatt	aacttaaaat	tcacactaat	attgactttt	aaaatgcagt	gtagatatgt	36120
cagagagaat	ttcaaaggca	aagcccaccg	acggaagaaa	tcaccttcc	cataccatcc	36180
acagaaaact	gttggtattc	tagggtagta	ctgagatcta	gcatttttct	gaatacatct	36240
gtggttctag	atgtcctgct	tccatagata	ttgtttagaa	ttcccacccc	tttctccaaa	36300
cacagcttga	tatcctttct	ctgaacctgt	tagaaatttc	ctccattcag	ctgtcataaa	36360
gatgcgagca	atccattcct	gtgcctctgt	cagtgtgttc	tattattttg	tggctgaacg	36420
ctaattggaca	gttaagtgtg	aggtcagtga	atacagtgcc	ctccctctat	gtgtccttcg	36480
ggtgtgaggg	gttttgctga	tagagcagca	ggccccatcc	caccttttat	gcattctccg	36540
cccccacctc	acgtctccag	tgacctctcc	cctgtggcct	ggggcggtcc	ccagggggaa	36600
tgacctctcc	tctctccagg	gcccacccac	tcagtgcctg	tgcaagacca	ccacgcttgg	36660
caaggcccca	cctcgtgtca	gggcctgtgt	cccctgcccc	accccctaaa	cagatgggaa	36720
ccactgggac	tctgctcagg	gcagggggcg	gaggtatgtg	tgaagggaag	gcaaagtgtc	36780
actctgttgg	agaaatatta	taggtagtgt	gagcaaaaaa	tctaattgca	tgggaacttt	36840
tagaatgata	cgatatttaa	caaagaacat	gaccaataga	gtttgtattg	aagccaggaa	36900
aacactattt	agagcaacag	caatatcaaa	aacacaagcc	aacagtccac	caagaaaaac	36960
caccattaac	ccatgggaaa	tggctcttcc	agagcatcgg	cacttaaatc	ctggaaatct	37020
gcttgcttca	gcacctgttg	tcttgacctg	ccctcctgtg	tgtcctaata	actcccaaac	37080
acggggcctg	cactgtggga	gattcacact	gtgccagggt	gagggagcag	gacaactgct	37140

aacaggttgt	tggtgtggat	gccgaggcca	cccaagcagg	tgtaaactcc	cacctgtggg	37200
gcagggaaag	gtgcacggga	gacatgtccc	gggcataggg	tgagggagag	ctgtgggggc	37260
tctgggttct	gaagtgggtt	ctgaagaggg	ttctggcctg	gcagggataa	gaccaaccag	37320
catgtgaggc	caggctggag	tctggacetc	tgaagctgca	agggctcatg	gctgcttggc	37380
cccaggggct	gtcctgggtt	tctatggagt	actttcaaac	attctttctt	cttccaatcc	37440
ccctccttct	ctcccaaagc	ctgcatctcc	caaatccctc	ttgtcggatc	ctcggcttca	37500
ctctgcatcc	gtcctgagca	tcatctctcc	aattccatcc	tcttctcttc	tgctatgtct	37560
aagctgctgt	gaagccacct	gctgtaattt	actgctttat	atttaatat	gtaccgtaca	37620
tctgttctgt	ttccctcctc	ataaatgctt	catttcatgc	tcagcatctg	agaacacaag	37680
gccttgctag	ctgtcaccct	cttccgttct	ctgtttcctt	cctcctatcc	ccatattgtc	37740
catcatgtcc	agtctcctgc	catcctgaat	gcttctgatg	gaaggctctg	gatgtctcat	37800
gagcactgtg	aagattcttt	gtaatgtgag	ctgtttccag	gcaggaattc	tccttcaccc	37860
agccctggaa	gccaagtata	ggcagatggc	catgctcaat	caaagactga	gctaacttaa	37920
cagtggcttt	gggttttaagg	tttctccaat	ccccagggca	caggatttca	gggaattcag	37980
gtgagagtct	gggtgttacc	cttcaggagg	ctgtaaactc	catttcacct	agtctacacc	38040
acagactatg	gaaactatat	atatatatag	ttctgtccct	ctagagaaac	ctaataatga	38100
tatatacaat	atataatacg	tattatatat	tatatataat	acgtattata	tattatatat	38160
attatatata	tattagagtt	tattgaggag	tattaaactc	acaatcacaa	ggtcccacag	38220
taggccatct	gcaagctgag	gagcaaggaa	gccagtcoga	gtcccaaagc	tgaagaattt	38280
gaagtctgat	gttcgacggc	aggaagcctc	cagcacagga	gaaagatgta	ggctgggagg	38340
ctaagccagt	ctagtctttt	cacgtttttc	tgctgtgctt	atatcctggc	cacactggca	38400
gctgattaga	tggtgcccac	ctagattaag	ggtgtgtctg	cctttcccag	tttactggct	38460
caaatgttaa	tctccttttg	caacaccctc	acagacacac	ccaggatcaa	tactttgcat	38520
gcttcaatcc	aatcaagttg	acactcagta	tcaaccatca	caagtcacac	ccttgtcaac	38580
ttgaaccat	acaaatctcc	tgagatcata	cataatcttc	aaataaagac	aataataagg	38640
tcataattac	acctaatgta	atacaactat	cttttgtaca	accagaaatg	caccaatccc	38700
caacccaaat	gctattatgt	aaagttaaga	acacttaaat	gctgatatga	agtcaataaa	38760
ttttatgtca	catgataaag	gaaaaaagaa	atgaagggaat	tttcttagta	caagtgtgta	38820
catgcacaaa	catgttttta	acaaaagaag	aaggaaatac	tgatgacaat	tacagtccct	38880
atttctgcaa	ctgatcacgt	ggttgtagct	ggtattgatg	actaccttct	tctactaccc	38940
attctgtatt	ccctttgcct	tcagcaagca	tcacagcagg	tagagttttt	tctcctagtg	39000
gagtgatgca	aaccttcatt	cctgaagggt	ctggggcatt	tgtagtcctg	cctggattgg	39060
gctgttgtag	tttcccggtt	accttaatga	caggggcatgg	taatgttaag	agacggccta	39120
atggatctcc	tgtattccat	acatattctt	ccttacctcc	atttgtggagt	aatagactga	39180
ttgcatcttg	atagtccagg	tcaatcagcc	cagccaacac	tgtaactccc	ctcttagcct	39240
gtggacttaa	aggtaggagg	ggcccaaagt	ggccagggtg	aaatctttac	ttccagttta	39300
atggaattgt	tgttgtttct	cctgatggca	gcattattcc	cactggaact	aagacctcta	39360
ggccaacaga	atgtaatgtc	atgggaccag	gaagcaaaaa	ttttgctagt	ggatcactag	39420
gggtgatgg	gaatggtgcc	atttccactt	ccaccccttg	attcctggat	ccatgaatta	39480
tggttatggg	agaaagagta	ccatatattg	gatgctgatt	tggagcatac	atggcctttt	39540
ggagagcttt	gccccagccc	tgcaaagtat	tggagcctag	ttgacattgt	aattgtgact	39600
ttgaaaggcc	attcctattt	tctatcaatc	cagctgcctc	aggatgatgg	ggaaaatggg	39660
aagacaagtg	aatcccatga	gcatgagccc	actgccacac	ttctttagcc	gtaaaaggag	39720
tgcttgggtc	agaggcaatg	ctatgtggaa	tactgtgaca	gtggataagg	cattccatga	39780
ctccacagat	ggtagtcttg	gcagaagcat	tgcatgcata	tctgcagtaa	gtgtctattt	39840
cagtgaggac	aaacctctgc	cctttccagg	atggaagagg	tccaatataa	tccaacctgc	39900
catcaggtag	ctcactgate	accctgagga	atggtgtcat	ttgggttagag	accagagccc	39960
aaaccagatc	acgccaccca	acccctccca	aatctcatgt	cctctttgca	tttcaaaacc	40020
aatcatgcct	tcccaacagt	cccccaacat	cttaactcat	ttcagtatta	actcaaaagt	40080
ccaaatccaa	agtcacattg	gagacaaggc	aagtcccttt	catctatgaa	cctgtaaaaat	40140
gaaaaacaag	tcagttactt	ccaagacaaa	atgggggtac	aggcattaga	tacatgtctc	40200
catttcaagt	gggagaaatg	agccagaata	aaggggcttc	aggtcacatg	caagcccaaa	40260
ctccagtggt	gcagtcatta	aatcttaaa	cttcaaaaata	atctcctttg	actccattcc	40320
tcacattcag	ggcatgttta	tgcaaagtgg	gggtctctac	aaccttggga	agctctcacc	40380
ctgtggcttt	gcagctctga	ccccatggct	gctctcatgg	gctttgcaga	gttcagccct	40440
cctggctgct	ctcattgagt	gcatgcagct	tttccagggt	cacagtgcac	gccgttaaat	40500
gatctaccat	tctggggtct	gaaagatgg	ggccctcttc	tcacagcccc	attagtcact	40560
gtctccagtg	gggactctgt	gtgggggctc	caacccccac	tttcccttct	gcactgcctc	40620

agcagaggct	ctccatgaag	gctttgcccc	tggcgcgagac	ttctggctgg	acatccagtc	40680
atctctataa	atcctctgag	atctgggtgg	aggatcacaa	agctgaactc	ttctcttccg	40740
cacatcccta	ggcccaacat	catgtagaag	ccaccaatga	ttggggcttt	ctgaagcaat	40800
ggcctgagct	gtacattgga	cttttttagc	cacagctaga	cctggagcag	ctgggacaca	40860
gggcaccaag	tcccaaggct	ccaaagagaa	gctgggccct	ggacccagcc	catgaaaaca	40920
tttttccctg	ataggcctcc	aggcctgtga	ttggaagggc	tgctgcaaag	atctccgaca	40980
tgccctggaa	acattttccc	cattgtcttg	attattaata	ttcatctctt	cattacttat	41040
gcaaattttct	gcagcccaact	tgaattttctc	cctagcaaat	gtgtttttct	ttactaccac	41100
atggccaggc	tgcaaatttt	ccaaactttt	atgctctgtt	tcccttttaa	aaataagttc	41160
ctatttcaga	tcctctctct	caagggcaaa	gtccacaga	ttcttagggc	agggacaaaa	41220
ttccatcaag	cttggtttta	tacatttttag	agaggcatga	gacatcaatc	aaatacattt	41280
aagagacaca	ttgggttggt	ccagaaaggt	ggaacaactc	aaagctaggg	cttcaggct	41340
ataggtgaat	ataaatattt	tctggttgac	aattggttga	gtttgtctaa	agacctggga	41400
tagatagaaa	ggtaatgttc	aggtaagat	aaagattgta	gagtcctaaag	ttcttttgaa	41460
gtcttatagt	ggctgccctt	agagataata	ggtgacaaat	gtttcttatt	caaatcttag	41520
ttgaactctt	taggattggg	aggttctaga	agaaaaagat	ctagctatgt	taatagagat	41580
tctttacaga	tgcaaatttt	ccccacaaa	gaacagcttt	gcagggccct	ttctttcttt	41640
ctttctttct	ttctttcttt	ctttctttct	ttctttcttt	ctttctttct	tttttagatg	41700
gagttttgct	cttggttgccc	aggctagagt	ataatggcac	gatcttgtct	caccacaacc	41760
tccacctcct	gggttcaagt	aattctcctg	cctcagtctc	cggagttagct	atgattacag	41820
gcctgcacca	ccacaccggg	ctaattctgt	atttttagta	gacacagggt	ttctccatgt	41880
tggtgaggct	ggtctcgaa	tcccaacctc	aggatgctcg	cccacctcag	cctcccaaag	41940
tgctgggatt	acaggcatga	gccaccatgc	cggcctgca	gggccatctc	agagtatggc	42000
aaagaaacat	gttttggggt	aaaatatatt	gattttctta	tttgtctcat	aatgttatgc	42060
cagagtcagt	ttggaaaagta	aatcatgata	tataggttta	aataaaacc	atctgatgag	42120
aatttatgat	ttgtagagca	tgccctccca	gactctttag	ataggaattt	gggcaagatg	42180
aaaaaaaaat	cagagtttag	tcttctactac	ctaagaccag	ctcagcttgg	acttccactgt	42240
tcctgtcact	atcagcattt	tagtcaaaac	cactcaataa	gtctctagga	agttccaaac	42300
tttcccacat	cttcccttct	cctttcaagt	tctccaaact	gttccaaccg	ctgccaggag	42360
gtacccagtt	ccaaagttgc	ttccagattt	tgagttatct	ttatagcagt	tcccactcc	42420
tggtaccaat	ttactatatt	agtctgtttc	cacagtgtca	taaagaactg	cccgaagtg	42480
gttaatttgt	aaagaaaaga	ggtttaattg	actcacagtg	ctgtgtggtt	agggctcggag	42540
gctcaggaaa	cttgcaatca	tggtggaagt	ggaagcaggc	atgtgacaca	tggcagcagg	42600
tgagatagag	aaagagagag	agagggaaatg	aaggaggaac	caccatacat	ggataaaacc	42660
atcagatctc	atgagaactc	actcactatc	aggagaacat	gaggacagca	tgggggaaac	42720
caccctatg	accagtcac	ctcccaccag	gtccaccctt	tgacacataa	ggattactat	42780
ttgagatgag	atttgtttaa	tgacacagag	ccaaaccaca	tcagcatgtg	acaaaggtct	42840
aatatcaaga	atctatgagg	gggcagttcc	aaaatggctg	aataggaaca	gctccagtct	42900
acagctccca	gcctgagcta	cacagaagac	agggtgattt	tgcaattcca	actgaggtac	42960
tgggttcac	tcacgggggc	ttgttggaca	gtgggggcag	gacagtgggt	gcagcccacc	43020
aagagtggag	tgaagcaggg	cgaggcattg	cctaaccag	gaagtgcagg	gggtcaggga	43080
attcccgttc	ctagccaagg	gaagcgggtg	tggacggcac	ctggaaaatc	cggctactcc	43140
caccctaata	ctgcactttt	ccaacggtct	tagcaaatgg	cacaccagga	cattatatcc	43200
tatgcctggc	ttggagggtc	ccatgccac	ggaacctcgc	ttattgctag	cacagcagtc	43260
tgagatcaaa	ctgcaagggtg	gcagtgaggc	tgggggaggg	gtgccacaaa	ttgctgaggc	43320
ttgagtaagt	aaacaaagtg	gctgggaagc	tcaaactggg	tggagtccac	tgcaagctcaa	43380
ggagacctgt	ctgctctgt	agactccacc	tctgggggca	gggcatagct	gaacaaaagg	43440
cagcagaaac	ctctgcagac	ttaaatgtcc	ctgtctgaca	gctttgaaga	gagtagtgtt	43500
tctcccacat	ggactttgag	atctgagaat	ggacagactg	cctcctcaag	tgggtccctg	43560
acccccgagt	agcctaactg	ggaggcaccc	tccagtaggg	gcagactgac	accttacacg	43620
gctgggtgcc	cctctgagat	gaagcttcca	gagggaattat	caggcagcaa	catttgctgt	43680
tcagcaatat	tcgctgttct	gcagcctctg	ctgctgatac	ccaggaaaat	agggctctgca	43740
gtagacctcc	agcaaacctc	aacagacctg	cagctgaggg	tcctgactgt	cagaaggaaa	43800
actaacaac	agaaaggaca	tccacatgaa	aaccccatct	gtacatcacc	attatcaaag	43860
acaaaaggta	gataaaaacca	caaagatggg	gaaaaaacag	ggcagaaaag	ctgaaaattc	43920
taaaaatcaa	agtgcctctc	cccctccaaa	ggaatgcagc	tcctcgccag	caatggaaca	43980
aagctggatg	gagaatgact	ttgatgagtt	gagagaaggt	ttcagatgat	caaacttctc	44040
cgagctaaag	gaggaagttg	gaacccattg	caaagaagct	aaaaaccttg	aaaaaagatc	44100

agatgagtag	ctaactagaa	taatcagtg	agagaagtcc	ttaaattgacc	tgatggagct	44160
gaaaaccatg	gtatgagaac	tacgtgatga	atgcacaagc	ttcagtagcc	gattcgatca	44220
actggaagaa	aggggtatcag	tgattgaaga	tcaaatgaaa	gaaatgaagg	gagaagagaa	44280
gttttagagga	aaaaaaagta	aaaagaaaga	aacaaaccct	ccaagaaata	tcagactatg	44340
tgaaaagacc	aaatctatgt	ctgattgggtg	cacctgaaag	tgacagggag	aatggaacca	44400
agttggaaaa	caccctgcag	tatattatcc	agcagaactt	ccccaaccta	gcaagacagg	44460
ccaacattca	aattcaggaa	atacagagaa	ccccacaaag	atactcctcg	agaagagcaa	44520
ctccaagaca	cataattggt	agattcacca	aagttgaaat	gaaggaaaaa	atattaaggg	44580
cagccagaga	gaaaggtcgg	gttacctca	aagggaagcc	catcagacta	acagctgatc	44640
tctcagcaga	aactctacaa	gccagaagag	agtgggggcc	aatattcaac	attcttaaag	44700
aaaagaaatt	tcaaccacga	atttcatalc	catccaaact	aagcttcata	agtgaaggag	44760
aaataaaaatc	ctttacagac	aaacaaatgc	tgatagattt	tgctatcacc	aggcctgccc	44820
tacaggagct	cctgaaggaa	gcactaaaca	tggaaggaa	caactggtac	cagccactgc	44880
aaaaacatgc	caaatacata	agaccacca	agcgaggaa	aaactgcac	aactaacgag	44940
ccaaataacc	agctaacatc	ataatgacag	gatcaaattc	acacataaca	atattaacct	45000
ttaatgtaaa	tgggctaaat	gctccaatta	aaagacacag	actggcaaata	tggataaaga	45060
gtcaagacccc	atcagtggtc	tgtattcagg	agacccatct	cacatgcaga	gacacacata	45120
ggctcaaaaat	aaaggcatgg	aggaagatct	accaagcaac	tggaaaaaca	aaaaggcag	45180
gagttgcaat	cctagtctct	gataaaagag	actttaaaac	aacaaagatc	aaaagagacg	45240
aagaagacca	ttacataatg	gtaaagggat	caattcaaca	agaagagcta	actatcctaa	45300
atatatatgc	atccaataca	ggagcaccca	gattcataaa	gcaagtcctt	ggagacctac	45360
aaagagactt	agattcccac	acaataataa	tgggagactt	taacacccca	ctgtcaacat	45420
tagacagatc	aacgagacag	aaagttaata	aggatatcca	gcaactgaac	tcggctctgc	45480
accaagcaga	cctaatagac	atctacagaa	ctctccaccc	caaatacaaca	gaatatacat	45540
tcttttcagc	accacaccac	acctattcca	aaattgacca	catagatgga	agtaaagcac	45600
tcctcagcaa	atgtaaaaga	acagaaatta	taacaaactg	tctctcagag	cacagtgcac	45660
tcaaaactaga	actcaggatt	aagaaactca	ctcaaaaacca	ctcaactaca	tggaaactga	45720
acaacctgct	cctgaatgac	tactgggtac	ataatgaaac	gaaggcagaa	ataaagatgt	45780
tctttgaaac	cagtgagaac	aaagacacaa	cataccagaa	tctctgggac	acattcaaag	45840
cagagtgtag	agggaaatth	atagcactaa	atgcccacaa	gagaaagcag	gaaaaatcta	45900
aaattgacac	cctaaccatca	caattaaaag	agctagagaa	gcaagtgcac	acacattcaa	45960
aagccagcag	aaggcaagac	ataactaaga	tcagagcaga	actgaaggaa	acagagacac	46020
aaaaaaacccc	ttcaaaaaat	caatgaaatc	aggagctggt	tttttgaaaa	gatcaacaaa	46080
attgatagac	cactagcaag	actaataaag	aagaaaagag	agaagaatca	aatagatgca	46140
ataaaaaatg	ataaagggga	tatcaccacc	gatccacacg	aaatacaaac	taccatcaga	46200
gaatactata	aacacctcta	cggaaataaa	ctagaaaatc	tagaagaaat	ggataaattt	46260
ctcgacacat	acaccatccc	aagactaaac	caggaagaag	ttgaatctct	gaatagacca	46320
ataacaggct	ctgaaattga	ggcaataatt	aatagcttaa	caaccaaaaa	aagtccagga	46380
acagatggat	tcacagccga	attctaccag	agctacaagg	aggagctggt	accattcctt	46440
ctgaaactat	tccaatctat	agaaaaagag	ggaatcctcc	ctaactcatt	ttatgaggcc	46500
agcatcatcc	taataccaaa	gcctggcaga	gacacaacaa	aaaaaaagag	aatttttaggc	46560
caataaccct	gatgaacatc	aatgcaaaaa	tcttcaataa	aatactggca	aaccgaatcc	46620
agcagcacat	caaaaagctt	atccaccatg	atcaagtggg	cttcatccct	gggatgcaag	46680
tctgggttcaa	catacgcaaa	tcaataaacg	taatccagca	tataaacaga	accaacgaca	46740
aaaaacacat	gattatctca	atagatgcag	aaaaggcctt	tgacaaaatt	caacaacact	46800
tcattgctaaa	aactctcaat	aaattagata	ttgatgggac	gtatctcaaa	ataataagag	46860
ctatctatga	caaaccacaa	gccaatatca	tactgaatgg	gcaaaaacta	caagcattcc	46920
ctttgaaagc	tggcacaaga	cagagacacc	ctctctcacc	actcctattc	aacatagtgt	46980
tggaaagttct	ggccagggca	atcaggcgag	agaaggaaat	aaagggtatt	caattaggaa	47040
aagagggaagt	caaattgtcg	ctgtttgcag	atgacatgat	tgtatatcta	gaaaacccca	47100
tcgtctcagc	ccaaaatctc	cttaagctga	taagcaactt	cagcaaagtc	tcaagatata	47160
aaatcaatgt	tgaaaaaatc	cacgcatttc	tataacccaa	taacagacaa	acagagagcc	47220
aaatcatgag	tgaactccca	cttcaaatgg	cttcaaaagag	aataaaaatac	cttggaaatcc	47280
aacttacaag	ggacgtgaag	gacctcttca	aggagaacta	caaaccactg	ctcaatgaaa	47340
taaaagagga	tacaaacaaa	tggaaaaaca	ttccatgctc	atgggtagga	aggatcaata	47400
tctgaaaaat	ggccatactg	cccaaggtaa	tttatagatt	caatgacatc	cccatcaagc	47460
taccaatgac	tttcttcaca	gaattgggaa	aaactgcttt	aaagttcata	tggaaacaaa	47520
aaagagcctg	caatgtcaag	tcaatcctaa	gccaaaagaa	caaagctgga	ggcatcacgc	47580

tacctgactt	caaaactatac	tacgagggtta	cagtaaccaaa	aacagcatgg	tactggtacc	47640
aaaacagaga	tacagaccaaa	tggaaacagaa	cagagccctc	agaaataatg	ccgcatactc	47700
acaactatct	gattttttggc	aaacctgaca	aaaacaagaa	atgggaaaaac	gattccctat	47760
ttaataaatg	gtgctgggaa	aactggctag	ccatatgtag	aaagctgaaa	ctggatccct	47820
tccttacaca	ttatacaaaa	attaattcaa	gaggattaaa	gactttaatg	ttagacctaa	47880
aaccataaaa	accctagaag	aaaacctagg	caataaccatt	caggacatag	gcatgggcaa	47940
ggacttcatg	tctaaaacac	caaaagcaat	gacaacaaaa	gccaaaattg	acaaatggga	48000
tctaattaaa	ctaaagagct	tctgcacagc	aaaagaaaact	accatcagag	taaacaggca	48060
acctacagaa	tgggagaaaa	tttttgcaat	ctacttatct	gacaaagggc	taatatccag	48120
aatctacaat	gaactcaaac	aaattttacaa	gaaaaacaaa	caaccccatc	aaaaagtggg	48180
caaaggatat	gaatagacac	ttctcaaaag	aagacattta	tggagccaaa	agacacatga	48240
aaaaatgctc	atcatcacta	gccattcagag	aaatgcaaaat	caaaaccaca	atgagatacc	48300
atctcacacc	agttagaacg	gcgatcatta	aaaagtcagg	aaacaacagg	tgctggagag	48360
gatgtggaga	aataggaaca	cttttacact	gttggtggga	ctgtaaacta	gttcaaccat	48420
tgtggaagtc	agtgtggcga	ttcttcaggg	atctagaact	agaaatacca	tttgaccag	48480
ccatccatt	actgggtata	tacccaaagg	attataaaac	atgctgctat	aaagacacat	48540
gcacacgtat	gtttatttgg	gcactattca	caatagcaaa	gacttggaac	caacccatat	48600
gtccaacaat	gatagactgg	attaagaaaa	tgtggcacat	atacaccatg	gaatactctg	48660
cagccataaa	aaaggatgag	ttcatgtcct	ttgtagggac	atggatgaag	ctggaaacca	48720
tcattctcag	caaactatca	caaggacaaa	aagacaaaac	ctgcatgttc	tcattcatag	48780
gtgggaattg	aacaatgaga	acacttggac	acaggaaggg	gaacatcaca	caccagggcc	48840
tgttgtgggg	tggggggagt	ggggagggat	agcattagga	gatataccta	atgttaattg	48900
atgagtttat	gggtgcagca	caccaacatg	gcacatatat	acatatgtaa	caaacctgca	48960
cgttgtgcac	atgtacccta	aaacttaag	tataataaaa	aaatttttaa	aaaaagaaac	49020
acctgctttt	ttctgttttc	catttgctta	gtagattttt	ctccatcctt	ttactttgag	49080
cctggggatg	tcattgcatg	tgagatgggt	ctcttgaaga	cagcatacat	ttgggtcttg	49140
cttctttctc	caacttggca	attctctgcc	ctttaattgg	ggcatttagc	ccattttacat	49200
tcaagggttaa	tattgatatg	tgcatatttc	atcctgttat	catgttggtta	gctgctcaat	49260
atgcagattt	gattgtatag	ttgatttata	gtggcaatcg	ttatgtactt	aagtgtgttt	49320
ttgtggtggc	cagtaacgtt	cttccattat	cataatttagc	aatcccttaa	gggcctcttg	49380
taaggcaatc	tagtggatg	gaataccctt	agcatttgct	tgtctgaaaa	ggatcttatt	49440
tctccttcac	ttgtgaaget	tcatttggct	agatatgaaa	ttcttgcttg	gaatttcttt	49500
tctttaagaa	tgctgaatat	aggcccccac	tctctcttgg	attgtacagt	ttctgctgaa	49560
acctccattg	ttagcctcat	tgggttccct	ttgtatgtga	cctgaacctt	ctttctagct	49620
gectctaata	ttttttttcc	tttcaacctt	taagagtctg	atgtctgatg	gctatatgtc	49680
ttagggatgg	ttgtcatgta	taatatcatg	cagagggttat	ttgcatttct	tgaatttgaa	49740
tgttggcctc	tctgggtgagg	ttggagaaat	tttcatggag	gatagcctga	aatgtttttc	49800
aagtttcttt	ttttctcttt	ctcttcttaa	gggataccaa	tgtgtcatag	atctgggtctt	49860
tttacataat	tgcacatttc	tctgaggttt	tatgccttct	tttttattct	ttgttcttta	49920
tttttgtctg	actgagttaa	ttcagagaa	cagtttttaa	gctctgtgat	tctttcctca	49980
gcttgggtcta	ttctgctgtt	aatacttgta	attgtattct	gaaattcttg	aagtgaagttt	50040
tttagctcta	tcaaatcagt	ttgggtcttt	cttaaaatgg	ccatttccatc	tttcagcttc	50100
tgtatcattt	tactttattt	cttagctccc	ttggattggg	tttcaacatt	ctcctgaatc	50160
tcagtgatct	tctttcctgt	gcataattctg	aattctatgt	ctgtcatttc	agccatttca	50220
gtcagggttaa	gaaccattgc	tgggaaacca	gtgtgattat	ttggaggtaa	gaagacactc	50280
tggatttttag	agttgcagag	tttcttgcac	taattctttc	tcattcttctg	gggctgtttc	50340
tttaattcttt	gaagtggctg	tcctttggat	gtttttgtct	tttttgttgt	tttttgggtg	50400
gtgtttttgt	ttgtttgttc	atttggttgt	tttttgcctc	tatcttcttt	gatactcttg	50460
caggtttgat	tgtggtataa	agtggattca	gttagctgtg	tttcttgaaa	atcttagagg	50520
gtccaggctc	acctcagcac	tcttgtgggtg	tgttctctgc	tctgggactg	ggccctggc	50580
tttattctct	ggcccttgga	gtttagaaac	ttgctgcatt	ggaggggctg	aggtgttccc	50640
agtccattgg	ccacaacact	atagtagggg	gtgccggcca	aagcacttca	ttagagtgg	50700
ggcagtggga	tccattctta	ctcatgggtg	ccagcagttg	tggagtcacg	gcagggtgca	50760
catgcatctg	ctggggtggg	ggtagcaggt	ggagcagagt	ggcagcatcc	ctacataggt	50820
tcctgctggc	agtcacagcg	cagtgaggtg	cccgtgtgtt	ggcagggaca	gggtgggtggg	50880
gcacacatgc	acatgcttgc	tgggtgtaga	gggagttgtg	atctgctgtg	cactcatgcc	50940
agcaaagcag	ttgggaggtg	ctatgggtgg	actgggtgcac	atcagcagag	gctggcctgc	51000
tggaggtctc	caatgggttag	gcattggtctg	ctggcaagg	agctatgatg	agggcccccac	51060

ggaaacaccc	tgggttgggct	tccaaggctg	tactgcaagc	aggcacagcc	agcctggggc	51120
cccaggagag	gccagaaggc	aaggaaattc	tcattttcaga	tggggccctgt	cccatggaca	51180
agaccaccct	gctttattca	ggtcccatag	tcactctaag	gttaaaatct	cctagaggag	51240
gttgggtgagc	cttgggggat	gggtgtcccc	tggtgtgtgt	ccactacagc	cattctcatg	51300
tcaaacactc	tgggctttac	acagactgga	gtcctgcccc	tggcatctct	ctaagcagct	51360
gtcccttcca	gcacaagtgt	ccatgggggt	catgggggtct	cctgtctgta	ggattctgga	51420
ggcccatggc	aacagcaggc	cactcctcac	ctgttcaact	caacctttcc	ccaggagtgt	51480
ctgggagcca	ggaatgagtc	ctgggtgctt	gcatacccat	gcagggttcc	catcttcttc	51540
caccttcagc	tcagcatctg	tgtcctcccc	cgtctactct	caatccactc	tcaatgcctc	51600
cccttcaaa	atctgcttgg	aaagcaccgc	tcttctctgat	gtctcactcc	ctccatggca	51660
gatattcctc	ctggctgcac	ctagtccagc	atcttgactc	gcctccaaag	tctttttaat	51720
taccacttcg	gttaaattag	taactatcat	tttacaatgg	cctgtgattc	tgttttgatc	51780
aaatatTTTT	agccttttag	catctataac	aaatgttctc	aaaaatcaaa	atcctaaatc	51840
aagtctctgc	cttagtctta	tttctggggc	ttattaaggc	tataaaaaatt	aatcaccata	51900
aggttgtaca	agctttttac	agcttccagt	caggctatga	actccagtat	caccacctcc	51960
agcctgataa	ttacatatat	tggaagaaaa	tcagttaaag	gactccctct	agaccttga	52020
aaggggtgtga	gagacaacat	ggtttcgcct	gccttcatgt	gtcccagtc	atccctgtgg	52080
ctgcctctgt	ccacctcagc	ttgcccactg	tctttctctc	ccaactgtct	gccctgtctga	52140
cttctggcct	cagtgcacaga	tgcaaagaca	aggcgacagc	cccacataga	cctgttaacc	52200
agtcccatat	ttgcataagc	taaatggcca	tgtcacagtc	tgttgcccag	gctgggtctca	52260
aactcctggg	ctcaagtgtg	ccaccacact	tgacccccaa	ggtgtctggga	ttacaggctt	52320
gagccacagt	cccagccaa	gaaccgctt	ttgagtgggc	accttggcac	acacctgtaa	52380
acgcaacact	ttgggaggcc	aaggtgggag	tgtggcttga	ggccaggagg	ttgaggttgc	52440
agtgagctat	gatggcacca	cctcactcca	gcgtgggtgg	cagagtgaga	tccttttagaa	52500
aaaaaaaaaa	aaaaaacttg	ttttctctgc	agccgggctc	cgtgaccaaa	cacaaacaca	52560
aacttccctt	ccagaggggc	caggaggggc	tgggctgcag	gaggtgctta	gggcctctta	52620
gggaatggta	agtgaccacc	caacgcaggc	actcagcccc	aggggcatat	gcagagagag	52680
ggtcacaggag	gagctgggct	gcaggagggt	cttagggcct	cttagggaat	ggtaatgtac	52740
cacccaacgc	aggcaactcag	ccccaggggc	atatgcagag	agagggtcca	ggagagagctg	52800
ggctgcagga	ggtgattagg	gcctcttagg	gaatggtaag	tgaccatcca	acgcaggcac	52860
tcagccccag	gggcataatgc	agagagaggc	tgggaggaca	ctttcagtga	ctggggttac	52920
aaaccccaac	cataagacat	tgttggtctt	gtgagccgcc	acctccagaa	atctccact	52980
tagttcttag	cacttatcca	ctcttcctt	ttctactctt	caattcctgg	aggatgcctt	53040
cctttctcag	gctcagacca	acctaccagc	tcactcttag	acctgaacac	atgactcttc	53100
cctctgtctc	cacctggaaa	tctcatcagt	gcctcacatt	tacactcctg	aaaatcaggt	53160
cctgcctacc	cacctctctg	ctccacctga	ttcttgccct	gtttcagcca	gagaccttgc	53220
agtcctcttt	aactctcaaa	cccaccatg	tcgtgtgagc	atactgactg	tgttctatgc	53280
aagaaagagc	agtttcttgg	tggctctgcg	gttttattag	tccagaggca	aagcgttggc	53340
agagctgggt	tcttctgaac	cctgggaggg	agattctgtt	ttcatgcctt	ttccagattc	53400
tagaacccat	attccttgc	ctgtgtcccc	ttcttccatc	ttcaaaggcc	atcctctcat	53460
ctctgtgtcc	atcatcacat	caccttccc	ctgaactctg	ttctctgtct	tccacttata	53520
agcacccttg	tgattacatc	ataccacccc	agacaatgca	gggccatatt	ctccctcttc	53580
gagattaatt	taatcacatc	tacaaagtcc	ctcgtgccat	atgagggtcac	taaaccacat	53640
gttctggggg	tttgaatgta	aacatttggg	ggatgcatta	ttcagccacc	cacaagcact	53700
gctccccact	ggccacacac	tatgcacagc	cgagatcatg	caagtgaggc	acgttcatca	53760
acagcagctt	cagcaggaaa	ctatatgtct	cactttctctg	ccatttgtat	ctggattttt	53820
ttttcgctat	cattgtagaa	agagtgggtat	tgtaaaaatta	aagatggatt	attttctttc	53880
tagaacactt	tggcaatcta	tccaacatta	tttatccctt	tctgagtgtc	aagtgtgagg	53940
tcattctttc	attgagagct	caatgcctac	aattatgata	atgcataattg	ggtactttca	54000
cacatcagaa	agttcttctt	tcttaaaaatc	tgtttctgaa	ttattcattc	ttctctagct	54060
ttttgttgat	ctattttata	atttttagaaa	aatcagaaag	taacttgaag	tatctgtcat	54120
ctctacaggt	ttacctccct	ctttgtgggc	ttcagaatgt	catgacacgc	ttttcccttg	54180
ctcatcacat	ggtttctatg	tatgagacct	cacacaggga	gctgtggtcc	cccgaggaca	54240
ggcatctgtg	gatgggtgct	tgtcctgggc	tgtgtgggacc	tgtgtgctgc	cagtggcact	54300
ccacgacagt	gatttcccag	ctcagttttg	cagctccaga	tgggtgggtga	gacactagga	54360
ccactttgtg	aacagcgagg	gcttgggggt	tgtttttcta	ccatgtccag	ggctgtgtgt	54420
catgagggaa	tgtttctaac	ctgacatcat	ggctgaagcc	aacttagaac	ctctctagcc	54480
gtatggggag	taggtgagtg	atacagatgt	taattagctc	agtggagcca	ctcccttatg	54540

tagacatggt	acaaaacatt	atgctgtaca	gaataaatat	aggctcatttt	tatgtgtcaa	54600
tcaaaagaga	aactaattat	ttaaaaaaaa	aaaaaaaacc	tctctactca	agccgaaacc	54660
tcagctccag	tcccacaagt	cacacaaggc	tgctcccgtc	ctgtgtatgt	taaacctacc	54720
tcagaaatgc	aagggggcat	tcagggtttca	tcttcaattc	aaatgccctt	tttaattttg	54780
tctattccta	gcacctggca	acttccagct	ctttttttcg	gggctcattc	attattttaa	54840
gcacgtataa	tttttccccc	acatttctaac	acatgtagta	ctgtagagaa	tccttcccta	54900
ggaggatcta	cagcattaga	aaagaattaa	gaactccaat	atttacaaga	aggaaaaagc	54960
aaaaagagat	caaaaaatgg	gcaacttcta	gaaatagaaa	accctcatga	gtatgatgat	55020
aaatcgctgg	cacacatgtg	aatagttact	tgatgcttat	agtgatgtct	gggaaaaata	55080
catgaaatac	ttataatctg	tttctcacac	atgtaattca	aaagaataga	gagaagatga	55140
tttgaaatat	tcttaagttt	gtaggaaaaa	agctacttcc	atatgcataa	ttgcatgtat	55200
tttgatactg	ccattattaa	gaactatcta	agagggtcca	ttaaaaataa	aatttcttgg	55260
ctgggcacag	tggctcatgc	ctgtatccca	gcactttgga	aggccgaggc	agggtggctca	55320
cctgagggtca	gaagttcaaa	accagcctgg	ccaacatggg	gaaacgctgt	atctaccaa	55380
aatacaaaaa	ttagctgggc	atgggtggcat	gcacctgtag	tctgagctac	ttggggggct	55440
gaggcaggat	aatcgtttga	acccaagagg	tgtaggttgc	agtgagctaa	gatcatacca	55500
ccgcactcca	gcctgcacaga	caaagcaaga	ctctgtctca	aaaatattaa	aataaaattt	55560
ctcattccta	ttacagagta	atttaattca	ttaatgccct	gccctgttac	aaaactcatt	55620
tgtaaaatac	taattgtaat	tgtgaaaaaa	tggcaattga	tactaatttt	aaattctaaa	55680
aacagggcac	ccatattaaa	gattattctg	cagtaagaga	attagctata	acatttttga	55740
ataaggtgga	gaaaacattc	tccaacttac	aatggttggg	gagaagaaaag	tttccagcac	55800
ggtagatgga	ccctaagagc	ccttgttgaa	ataataagac	aaaaagatat	acagagagat	55860
gagccagatg	aaggagagaca	gagagagaga	gagagagaga	gagagaggca	cagaaatgag	55920
agatacaaaag	tgaagagggg	caacctgtgg	ggatcatcaga	tatttgtttt	ctgttttgtt	55980
tatttctaaca	taaaaggcagt	gggtgggtcat	cgatgtattt	agagtttgca	caatcactgt	56040
ggaacacaga	cagacacagg	ggaagaggag	aaacacaggg	cggtggcttg	cccttggact	56100
gttcttagtt	cctcaaaacg	taacagcttt	gcccaccta	agggaaacttt	cagcagctgc	56160
tcttctgcca	taggcctctt	tectgccttg	tttctatgtg	gctgactgtt	tctgttccctg	56220
cagggtcttag	ctcatcagac	aggcatttat	tacctctgtg	tcaacagtgg	gagcttccat	56280
tactctctag	catgacactc	cccttccctt	tttaggaaat	ttaacatgga	agtgagtttg	56340
ccatcggcct	tctcccacac	gtgttaacag	tggtaggaa	gccagcctgt	tccaccttgc	56400
ccctcccatg	attccaacac	tgagttcaga	cttgtcacat	ggaacttata	tttgcattgt	56460
tgtggcacag	acagatggac	ccaacctggg	attagtggat	ggatggatgg	atggatggat	56520
ggatggatgg	atggatggat	ggatgcattg	atgggtggat	gggtaggttg	atggatgcatt	56580
ggaagagtga	aaagatagat	ggatgcattg	atgggtggat	gggtaggttg	ctacatgcatt	56640
ggatgggtgg	atggatgggt	gagtggtatga	atgggtgggt	aggtgggtgg	ctacatgcatt	56700
ggatgagtac	ttggatagat	aagtgagtgg	atggatggat	ggatggatga	atgggtatgt	56760
gaagggatgg	atgtattaga	gtgggtagtt	aggcaggcat	gagctgatag	tcaagtgatt	56820
gttaaaactgc	ctctctaaaa	taataatttg	tctcggctgg	acgcgggtgg	tcatgtctgt	56880
aatcccaaca	ctttgggagg	ctgaggtggg	cggatcacaa	ggtcaagaga	ttgagaccat	56940
cctgaccaac	atggtgaaac	cctgtcttta	ctaaaaatac	aaaaatttagc	tgggcgtggt	57000
ggcgtgcatt	tatagttcca	gctactcggg	aggctgaggc	aggagaattg	cttgaacctg	57060
ggaggaagag	gctgcagtga	gctgagattg	tgccactgca	ctccagcctg	gtgcagagcc	57120
aaagctctgt	ctcaaataat	aataataata	ataaataata	attgatctca	gccagcgcca	57180
agaaaaggca	gtctcccaat	agatagaaaa	cacccgaaac	tggatcatcag	cagcttccctg	57240
ataagatctc	aggcattggg	tgagtgggct	caagcatatg	cactaagagg	caaagtggca	57300
gagtttaact	ggcacataat	cttctcttag	gaacactcta	atagtaagag	aaggacacct	57360
caaattgagca	tgtgcacatt	tcattaaacc	cactgtgtat	gcagcccttc	ccaagtgtctg	57420
gcaggccact	gtacatgtgg	gcagccactc	ccaagggaag	aatcaaggga	gaagaaatac	57480
aaatcccaga	accatgtcaa	tgtataaaaac	cccaagtcaa	gggcccggaca	gagcacttag	57540
atctctcaag	tgcgccactt	agccctcttc	caagtgtact	ttacttccct	tagttccacc	57600
tttaaaaactt	taataaacat	ttactcctgc	tctaaaaactt	gcttgggtct	ctcactcttc	57660
tgtatgcccc	ttggccaaat	tcttctctcc	aaggaggcga	gaatcaagtt	gctgcagacc	57720
tgtatggatt	cgctcctgct	aacagatagc	tggatgggtg	gacagatgca	tgaattagtg	57780
gatggacgtt	tggatgtgtg	gggtgggtggg	tggattgtgg	gatggctgga	tgaatgcattg	57840
gctggatggg	tggacagatg	catgaattag	tggatggatg	tttggatgtg	tgagtgggtg	57900
gggtggattgt	gggatggctg	gatgaatgca	tggctggatg	gggtggacaga	tgcattgaatt	57960
cgtggatgga	cgtttggatg	tgtgggtggg	tgggtggatt	gtgggatggc	tggatgaattg	58020

catggctgga	tgggtggaca	gatgcatgaa	ttcgtggatg	gacgttttga	tgtgtgggtg	58080
gggtgggtgga	ttgtgggatg	gctggatgaa	tgcattggctg	gatgggtgga	cagatgcatg	58140
aattcgtgga	tggacgtttg	gatgtgtggg	tgggtgggtg	gattgtggga	tggctggatg	58200
aatgcatggc	tgggtgggtg	gatggatgca	tggataagtg	gtggacggat	ggacgggtga	58260
gtggatgggt	ggatgtgtgt	gtggatgggt	ggataggaaa	gccctcta	tgattacagg	58320
gctcagtgtg	tgcttcaaca	tcatgatggc	atcatcacat	tggtccctgt	atgaagcagt	58380
gggggaggag	agtgtaccag	gggagcagga	atgacttttc	tcagaaatcg	acctctccca	58440
ccctgcagcc	tgggtgtgtg	aggccacatt	ggagaagggtg	cggctcgacta	ctcctaaatg	58500
ttgttgtgtc	caatggcttg	ttgacgttga	tgtaggaatg	agcctacatc	tcaccatag	58560
atggaactgt	ttgggtcccc	aaagcagaaa	gcctcttctg	ttgcagggtgc	tgaagtttcc	58620
atcttcttct	gcttataccg	aagctcacgc	atcccttggg	tggcaggcgt	caggttcctg	58680
tgcgcaactga	gttccccctt	tacatgcttt	ggacagaagt	gtgagacaca	caagattgct	58740
gcaggaagtgc	cacctgtggg	gatgctgcga	cttctccagc	aagaacacga	gtctgctcat	58800
tgaccatcac	cacacataac	aaattaagtgc	tccttttttt	gataaacagt	cattgtttca	58860
cagagtattc	ttttaagtgc	tataagttga	ctgcagttat	tattttttac	ttctgttact	58920
aatttactca	taattaggca	caatttacac	ttaagaaatt	tcttaatagt	tttttccctc	58980
ttaaggtgaa	ctacagtcag	ataacatact	tatcaattgt	ctctagctct	tgtcagaaaa	59040
acatatagat	gtgtgtgtgc	gtgtgtcttg	gcctttccaa	tgatgaatta	agatgtgcat	59100
tgagaaggca	ttcactttat	ttgacgttaa	ggaagtacca	agaagacgct	ctccacagac	59160
cctgggaaag	ccagcagctg	caccccgagg	ctgtgccagg	cagggaacaa	ggaggcagca	59220
ccacctgtgc	ggcagggaaa	atgtccctcc	agtcctctgc	gcttctctgc	agaggcacaa	59280
agagctgccc	cttctcctgg	gccttctcct	gggctgatga	gattgtctcc	cgatatgcca	59340
aatcagggtt	gtgcatctga	ggctctgtct	agactctcag	ctccttccca	ctcctgcaaa	59400
gtgaagaaaa	caatgccaag	gggtcctgga	ggcgtctcta	cccctggaga	gttttgactc	59460
tcttcaatag	tctccactac	cctgccctca	ctccatgtcc	tcctgtttct	cctaaagcgg	59520
tgcccagtct	gattgcactg	tggcagggat	aacgaggggc	caggacatca	ggggagagaa	59580
gtttctacct	gagtcacagc	agcggctgcc	ctgcagactc	ctgaagacac	aagacacatt	59640
tccatcccag	agacccagcg	aaatgcaacc	tcaggctaga	gacagccagt	tattttttct	59700
tgttctgtcc	tggagaggcc	actgagaaag	tcgagccctt	tgttgaggaa	aacatgagat	59760
ctctgtgtgt	cgtccctctgc	ctgatggctg	tacctccatg	tgagtgtctc	agagatttca	59820
gaacgggggg	tgtgggctgt	ggtgtccgct	tgtgactcat	ctctttgctt	cttgtccctg	59880
agtgtcctgc	atcagatgca	gctactggag	tcatgcccag	ggctgggtgag	gtcctcacag	59940
acctctgggc	cttgacccag	cagccctctg	ggaaggcgct	ggggcacctc	agctccaggg	60000
gcagcacaca	cttcagccca	gcctttctgg	gccaaactct	catctgtaga	gacacatcca	60060
aggcccagtt	atccctgcag	ctgagctccg	tgatggccaa	gggcaggggc	gcacattccc	60120
gtgggagaca	gaatggggac	ctcagcgtga	gcccagacac	aaacctccct	gcagggaagc	60180
acaagaccac	caggcgggcg	tccagaccac	acagcggccc	cagaagcagg	ttttaggggg	60240
cggggcagac	gtgtccgcgt	tgagtcagg	cattggtttt	actttccctg	agcaaacggc	60300
ctctgccaa	gactcactgc	acctctcacc	ttcacagtgt	tttttttttt	ttttttaatc	60360
acctgtaga	gttttgctag	ctaatttga	tattgaggag	tgcttcatac	ttccttgggc	60420
ctctgcttgc	agaaacatag	caattgtga	gaggcacgtg	ggaaagcccc	ggctcgggtg	60480
cccgggggat	gctgctgtgg	ccctggcaag	agggcgtcgg	gccgcagtaa	caaagggtga	60540
gacggctctc	agcctgcgcc	cgcggagtac	aacacataag	ggctgtgaac	taacgaaaaa	60600
agaatcgcag	tgcaactgtc	ctgcatttga	gtttgtgac	agttttgccc	tttgtcttta	60660
acaggttcta	acataaaatt	ttgaatgttg	gttcaagccc	tgtgggtaaa	atgcacttac	60720
ccacattcct	taaacaaata	gaacactgag	gtggaaatgt	tttgaaaaag	tagttttcag	60780
acatttggaa	acaagcatca	caggatcata	acctctgaga	aaagaaaaac	aaatgaacga	60840
atcctgctat	tgcttgaaag	cagctgccag	gacacacgga	aaggcttagt	gagctgagcg	60900
gacagagagc	agagttcaag	gcagcagcag	cccgagggga	ggagcacccg	ggagcaggct	60960
gctgtgcagc	caggatgggc	cgggggtggg	cgggggggaga	acagctggag	acttgccgca	61020
gggaggggga	tccttcaggt	ttggggctga	gaactgactt	atgctgact	tatgcttgc	61080
tgaaaagaaa	ctactcgata	tcagggggaa	atcaccagaa	acctgtggac	ccaaaactac	61140
acagagccta	cacaaggaaa	gcattgtttg	gtttctccca	gccagggtgg	aaagaccttg	61200
agatatgtaa	agcttcaagc	aatcttccga	agtaatctcg	tgagtgtgg	tgccacatta	61260
attcaggact	aaaggctgct	ctgaactgaa	cctaagaaat	gcttcaagt	tagcctggag	61320
ccggggtgca	gtggctcaca	cctgtaatcc	cagcactgtg	ggaggccgag	gcaggcggat	61380
cacttgagggt	caggactttg	agaccagcct	ggccaacatg	gcaaaacctg	tctctactaa	61440
aaacacaaaa	attagctggg	cgtgggtggc	gatgcctgta	atcacctccc	acctggaccc	61500

ttccttgata	catcagaatt	acaactagag	atgagattgg	ggtggggaca	cagagccaaa	61560
ccgtatcaca	taggaacctt	aaaggataat	aaagtaggaa	aacttcccac	atcagtaacc	61620
ctttatccga	tagtaatccc	aatctgcaaa	gtaaaactgt	gtgattttac	taagataacg	61680
gaatctttct	tacagaagga	ctttccagtg	caaaaagctcc	ccaccttcac	catgaaatgc	61740
acgtgaccat	ttccaatttg	tgtaaagtcc	tcagttagta	ctgagacttc	ggaaggttag	61800
aaatcccttt	gctcatgctg	catggtccgg	atgagatgta	agaatcatta	gctaatagac	61860
atgcaacagc	ttttgtgtga	aagatgttat	gagacattta	aggtatttgc	ttgtgattac	61920
taagcattca	ttgtatcatt	ggagcacatg	tgctttttata	ccctggagaa	attccagtaa	61980
ttgaattgct	gggttgaatg	ggattttgat	ttggattaaa	tttaaactat	agattttatt	62040
tagggaaaac	tggcatctta	attatgttat	tggggggccc	ttgctcccag	agctcccagg	62100
atggtggcag	gccgcttcca	aaatgaccgc	aggccacttc	caagatgggtg	gcaagcctca	62160
tgttctctga	cctgggggttc	ttggcctcac	ggattccaaag	gaatggaagc	ttgggcccag	62220
cagtgaagt	tatagctcta	ttagaagccg	tgggtcacgg	aagagaaccg	tggaaccacg	62280
tgactagtgt	tcagctcgat	taggacgaac	ccaggcactt	agccgtgcag	gaacaatggc	62340
gagcatttgg	cccgatcgag	agtggcaatg	ggcgcctcgc	tggatcagga	gcacagcgga	62400
taccctgatg	gatccggagg	gatggaagcc	agccgtgggt	ctcccacggg	ggcaaacagc	62460
agtgggtggac	ggtgagcgaa	agcgaagctc	gagccgtaac	aaacatggac	cagaagagtg	62520
cagttgcaag	atttagttaga	gtgaagacag	agctcccata	caaagggagg	ggacccaaag	62580
agggtagctg	ttaccggctc	gaatgcctgg	gtttatatcc	cgatcattgt	ccctcccgc	62640
gtgctctcag	gtgatagatg	attggctatt	tctttacctc	ctgcttttgc	ctaattagca	62700
ttttagttag	ctctctttac	tatctgattg	gtcgggtgtg	agctgagttg	caagccccgt	62760
gtttaaaggt	ggaagtgggt	accttcccag	ctgggcttag	ggattcttag	tccgcttagg	62820
aaatccagct	agtccgtgtc	ctcaattaca	ctgagttttc	caatccatgc	atccaatag	62880
tggtgtatct	cttcataatg	tcatagcctc	tgagcaaatg	tttacaattt	tctgtgtaaa	62940
gaactccaca	tcgttttatg	tttcttctaa	ggtatatcct	gattgctttt	tatgtcttca	63000
caagtttttt	cccttcaaaa	ttaattttcc	aattgtttgg	tgctaatatg	ctcaaagtgc	63060
cttgattttc	ttagtttgaa	cagtcctgtt	ttgttttggg	gattttattt	tttttcagat	63120
tctttaagat	ttctatgttc	tataaccata	taatctctga	acagagacag	ttttgctttt	63180
tcctttcaac	ttgaggtagg	ttttctgggt	agttcaggac	gcgcaggcac	tgggtgggtg	63240
gtgttagcag	ctgcacgatg	ccttgggagag	gacactctcg	ggggactgtg	gccgctgtct	63300
agctgtgacc	gttcttatag	caccagcagc	tgcggccacc	attctttatc	aatttccaaa	63360
gccacaccac	aggccctctc	aagaacgagg	cgtggaggct	atgccctctc	ctggacacat	63420
catcattccc	aagccccacg	atgtggggcc	catgggacgc	acacctttgt	ctgtccagac	63480
ctcagcccca	cctcctcate	ctgcaccaga	actcttcaga	gcccagtgca	tgaatgggc	63540
taccaaggaa	atgagggtag	gttcttgaga	ggaaactggc	cctgcatttg	ggagctagga	63600
gtctgcta	tgccttgga	gccctgtgca	gccctccgtg	gctacagtcc	accccggtgc	63660
catcagtgcc	tcttctctgt	gcaagcctgg	acctgcacct	gggctcagga	tgggctgtag	63720
accgagaatg	caggcgggaa	agtctttgtc	tatcggggcc	atagtcagg	tctacagtga	63780
gtcagggaaa	gacctgtgga	ggtgtggatg	aggacaatgg	gtccaccatc	aacaggagga	63840
cacgggttcg	accccttgca	gaggcacagt	cccacatcac	tgggaggcag	ccacactcac	63900
tgctcgcgcc	tctctcaca	cagtgcagtt	tccacgttca	cagccccagc	cagtcaccag	63960
gaatgccttg	ggggcggcct	ttccccagtg	cactccgagc	cctcccttgg	ctgtgcggtg	64020
agctccatgc	ccaggagata	tccaccata	gtcctccgga	aagcagctga	cctgccatgc	64080
cctggaacca	caaatcccca	cagatcagcc	agccttcagt	gggccttggg	tgtgggtgag	64140
agtgggtggc	ccccgttcc	cacccacag	atgcaacgcc	tgtgggtgac	gcatgtgagt	64200
actgaggagt	agagggtaga	actglaggcc	ccgagaacca	cagaaactcg	ggtgttacac	64260
tctggggcca	tgtaaaggaga	aagtgtcact	ggacagaaac	aggccccctc	tagacactgt	64320
gtgcgccata	gtcacctgtc	attagctctc	actcttgacg	attcatgatt	gaggtgtgta	64380
aaaaaaaaaa	agctcctact	cacccatcca	accccatcct	ggggtgtttc	caccaccctt	64440
ggggtttggg	atgagctgcc	cttgcccact	gtgctctgtg	gacctccctt	tagaagctca	64500
cagctccctg	cactcggctc	catcctgccc	caccacacag	aagcaaaacc	cctctccttt	64560
ccactgcagg	cttttctctg	accagaatgc	tgacctgctg	cccttcaact	ccgaagtgg	64620
gggactgcct	ggggtgtgtg	gggtgttgag	ctcttctact	ctagggacct	ggcactggc	64680
cccaggggga	cagggatgg	gcatctgcct	agggtgcct	cctcatgcca	gggggtgggg	64740
gttagtacca	tccggcctca	ggatttgttg	catgaatgag	tgaatgggtg	aataaatgaa	64800
ggggatctga	tctatgaata	agggtatata	gactttgggt	gatgtaggac	gccaaatgct	64860
ggaatttcag	agtcatcaca	cccaggggcc	ctgcctctga	gctcctcttt	gcatccaatc	64920
tgctgaagaa	catggctcta	gggaaaccca	gttgtagacc	tgagggcccc	ggctcttcaa	64980

tgagccatct	cogtcccg	gccttatatc	agcaagtgc	gcacacaggc	aaatgccagg	65040
gtgtggtttc	ctgtttaaat	gtagcctccc	ccgctgcaga	actgcagagc	ctgctgaatt	65100
ctggctgacc	agggcagtc	ccagactcga	gtgccatttc	attacctctt	tctccgcacc	65160
cgacatagat	tctactcac	ctgtgccatc	tccggggaca	gtgtctctag	caacagtgtc	65220
gcttggaaat	ggatcaggca	gtcccatcgc	agaggccctg	agtggctggg	aaggacatac	65280
tacaggcca	agtgggtata	tgattatgca	gtatctgtga	aaagtgcgaat	aaccatcaac	65340
ccagacacat	ccaagaacca	gttctccctg	cagctgaact	ctgtgactcc	cgaggacacg	65400
gctgtgtatt	actgtgcaag	agacacagtg	aggggaagtc	agtgtgagcc	cagacacaaa	65460
cctccctgca	gggatgctca	ggaccccaga	aggcaccagc	cactaccagc	gcaggggcca	65520
gaccaggagc	aggtgtggag	ttaagcaaaa	atggaaacttc	ttgctgtgtc	ttaaactgtt	65580
gttgtttttt	tttttttttt	ggctcagcaa	cagagatcat	agaaaacct	ttttcatatt	65640
tttgaaatct	gttcttagtc	taatggagat	tctctaatat	gtgacaatgt	ttttctcttg	65700
ctgttttttg	aattctttgt	ctttgacttt	tgacaacttg	acttttgaca	gtgtgcctca	65760
aagaagtctt	attttgggtt	ctgtgaacct	cctggatctg	ggaagttttc	agctatgatt	65820
tcattaaacg	tgttttctac	accattttcc	tactcttttg	gaatacccat	aatgcaaaata	65880
tttgttcaat	taattgtgtc	ccataaatgc	tggggatttt	cttcattcct	ttttactctt	65940
tttttctttt	tattcatctg	cctgaattat	ttcaaaagat	ctgtcttcaa	cttcagaaac	66000
tcttttgcct	ggcctagtct	aatcttgaag	gtctcaattg	tacttttaat	ttcattcatt	66060
gaattcttca	actctggaat	ttctgttgg	tcttttttat	gatacttalc	tctttgttga	66120
attcctcatt	caaagtataa	attgttttcc	tgatttcaat	gaattttcta	tctgtacact	66180
attgtatctc	ctcaggtttc	ttagagatta	tctttttgaa	ttatttttct	gacattctgt	66240
atatttccct	atgattgggg	tctgctactg	gagaatgact	gttgtctttt	tcagggtgtc	66300
tgtttccctg	ccttttcatg	ttttatgtgt	tctacgtttg	atttctacac	atctggcgga	66360
ccagtcaccc	cttgcaattt	aatggagtag	gttttgcagg	aaaagacttc	ctagtacaga	66420
cggtgtctcag	ggtgtcagtg	tggcgggcgc	tgctggcttt	agttctaggt	tgacgcagta	66480
gcgtagtctc	catgtcgttt	cttcagctgc	cgtccacatt	ggtgacgttt	gcgagtgtct	66540
cagtggcctg	ggctgagagg	tttgtggcag	tggagtgca	acgttgctag	aggtggactc	66600
accaggctgt	ttctgaggtc	gaggcacatg	catgcacatg	gtggattgac	caacttggtg	66660
ccaggctcac	taggggttgg	gacatggggc	tgtttctcag	gccaggatg	caaacacaa	66720
tctcttttgg	tggcctgggg	gtgtggcttc	tgagggcaat	ccacagggct	gtttctcagg	66780
ttcaggacac	aagtgcattg	ccgtcaact	ggcctgggca	tgtgtctccc	agggccaccc	66840
catgggctct	ttctcagacc	caggacatgg	ccacatggct	tctcagctg	gctgtgggtg	66900
gtgtctgctg	gggggcagtc	ggggcacagg	gttatttctc	aggccggggt	catgggcgca	66960
cagctgcttg	ctggcttata	ggagtgcctg	ccagggggtg	cccatgatgc	tgtttctcag	67020
gcctaatttc	aggtgcagag	cctttgggca	ggtcaacggc	atacctgtgg	aaattggagt	67080
ggatgccaca	gggctatttc	tcagggtgct	gagtgtgggc	acatatccac	tctgccagcc	67140
tggagttagt	atcagggtgt	cggtggctca	ggggcctctc	ctgctcaggg	gagggccctc	67200
agcagcttgg	ccaaatcaat	ggtggattca	ccctgggcag	gcctggcagg	ctcttccctc	67260
agctggatgt	gcagcagcag	gggttgggtt	ttttgctgtg	caggggccaga	gtcacggcca	67320
atcctcagcc	taggctctgc	acagccaggg	ttgtggcatt	cagccaccca	gatattgggc	67380
tctgaagat	ggagccccaa	tgctagaaa	gggcagtggt	taccagcctc	agggcaggat	67440
gcactccaga	ggcggtctcg	gtctcaaggt	ggcgctgggc	tgcagcagct	aggctccacg	67500
tggatgaatg	ggggcaggga	gtacacacct	tggtctccta	atctgggatc	attcctggca	67560
gtccccaac	ttggctgagg	gcttgcaaaa	cctgtggaat	tctcctgttg	caagggtctg	67620
agatgtttgc	agtggcagtg	ggtgctggcg	ggaaatctgc	ttaccttttc	cctacatggg	67680
aagtccctcc	tgtgtccaga	ccaatccgat	ctgggtgggg	aagacaaggc	tgcaaaaggc	67740
aggtgcctcc	atgctgccct	ccgatcacca	cggttgogtt	tccacacctc	cactgcactc	67800
cgctcagctc	ccttcaacac	tccagtcaaa	ccttagctgt	ttcttctttg	ccttattcct	67860
tctcatggg	gagggtgttg	gtgaacacca	ggcttctcta	agttcttcat	ccatcttgct	67920
gatgtcattc	tccatccagg	catgggtttt	taagaagtag	tgaatactga	aatttcagca	67980
gaggacacct	ctataaaaaat	tctgcaactg	gaaaacctcc	ttaaattggc	tgattgtcat	68040
tacaatttga	ggaaaactgc	caataatttc	aaatttagaa	ggctgagact	ctataaacia	68100
agactaacia	gatatttttc	gatatttttc	cccaaaataa	tacttttcca	agacgaaaaa	68160
ttttccaggg	tatataagca	catgtgctcc	aatgatacaa	caaatactta	ctaatacata	68220
gcaaatacct	taaatgtctt	ataacatctt	tcacacaaaa	gctgttgcat	gtctattagc	68280
taaaaattct	tatgtctcgt	ccagatcatg	cagcatgagc	aaagggtatt	ttgaccttca	68340
aaagtctcag	tactaactga	ggactttaca	caaattggaa	atgggtcacct	gcatttcatg	68400
gtgggtgggtg	ggagcttttg	cactggaaaa	tcttctgtga	gagaagattc	cattatcttg	68460

gtaaaattac	atagttttat	tttgcagatt	gggattacca	actgataaag	ggttactgat	68520
gtggaagttt	tctactttta	ttctcctatt	aggttcctat	gtgatatggt	ttggcctctgt	68580
gtccccaccc	caatctcacc	tccaattgta	attcccatgt	gtccagggag	ggtccaggtg	68640
ggagtgatta	gatcaagggt	ggtttttccc	aggctgtttt	catgataggg	tgttatcatg	68700
agatatgatg	gtttaaaagt	ggcaggttcc	cctgctctct	ctctcgcttg	ctgccacata	68760
agacgtgcct	tgctttccct	tcaccttctg	ccatgattgt	aagtttccctg	aggcctcccc	68820
agccatgcgg	aactatgagt	caattaaacc	tctctctctt	ataaattacc	cagtctcagg	68880
tagtatcttt	atagcgggtg	gaaaatggac	taatacacta	tggttttgaa	ttaataattt	68940
aaaatttgtc	agcttgccaa	taaaacatcc	tgttgacatt	tatttttttag	gtaatatattt	69000
aaattggcag	tttcattcat	gttttttaca	attcttattt	tcaggggtgt	taaggccttt	69060
gctttgaact	tggtggttcc	ttacactcca	tgctgttagt	gaagagggag	caggttgagg	69120
ggcattgggt	tgggtggtgg	tcaggaaggg	cagagtgtat	tgagttaggt	ctgagtggat	69180
aatagctcat	cagttttgaa	tttataaatg	accagggatg	atttaaggag	attcctgcca	69240
gacacctatg	ccatggccat	gccctatctg	gactctccagc	cgtgagatga	gaacccagcc	69300
atgccccgga	gtctgttctg	tctgctcaat	gttgtaagtg	gcacatgcta	ttggataatg	69360
tagaattgaa	tggtatcat	tttattatta	taattttaca	acttctctaca	ataaacttat	69420
cacctttata	catagaaaca	aatataagta	cattttccct	cccttatgtc	attttgagcc	69480
ctctctccaa	accatcctcc	cactctgcga	ctcactgtcc	tgcatgtggc	tatgctctgg	69540
caagtccctg	ttagacaagc	actcaccaga	ccacctactc	agcctccctt	cagcgccccc	69600
ctggccccc	tgctcaaaata	catgtttgag	ggtcacacac	atggactgaa	caccatctat	69660
tccatgcact	gccccagtg	ccgcactgag	cagcaagaga	gaaatgatcg	cattagctat	69720
caattatgcc	aattcaaatg	ctggagtctt	tctcagatac	ttttcaatgt	tcaagaattg	69780
ttgattgtga	attctatacc	caatgaaact	atccttcaga	aatgagcaga	aaatggatag	69840
cttctcaaat	aaacaaaaac	taaaagaatt	cttgcctaca	gatgtactct	taaagactgg	69900
ctaaaggaag	ttcttcaaac	agcaaggaaa	ttgaattgat	cttatgtcct	gcacacttgc	69960
taaatttccct	ctcaatttta	gcagcactgt	ttagattcca	taggattttc	catacaaaaca	70020
gtcatgtggt	ctatatatag	agacagattt	tctctttttc	cagtggggat	aaattttatg	70080
ctttttcttt	ctgtgttaca	gcaggtagga	cctccagtac	aatgttaaac	agaagtgggtg	70140
aaaacagaca	ttcttgccctg	tttcctaacg	ttggagtttg	gtcttttact	atggtgtcag	70200
atggttagctg	taggggtttt	ataaatgccc	ttcatcacat	tgaggaagtt	tgctcctatg	70260
cctaattttc	tgagagtctt	ttaatgtgac	actcatgcta	gaattttatta	aatgctttct	70320
gtctactaag	atgattatgc	agttcttata	ttaacatgaa	taattacatt	tatttattct	70380
ttaatatcaa	ggcaattttg	cattcctgag	acaaacccca	tttagtcato	atgtgttctt	70440
attgtttacat	attgttggat	tcaatttctt	caaaatttgt	taagaattgt	tacatctatg	70500
tttacaagga	agattagtct	gtaggggtatt	ttttcttata	ataactttgc	ctagttttgc	70560
aatcagggta	atgctggact	cacagaatga	gttggggaagc	tatttctctc	tcttcatttt	70620
tctgaaagaa	tttgataaaa	attggaatta	tatcttctct	aaaggtttgc	aagatttcat	70680
aatgaagtca	ttggcctaga	gttttctttg	tgggaaagtc	ttgttttggt	tgtttttggtg	70740
tttggtgttt	tttttaagag	acacagctct	actctgttgc	ccaggtctga	atgcagtggt	70800
gtaatcatag	ctcacagcag	cctcaacctc	ctgggtctcaa	gcaatcctcc	tacctcagcc	70860
ttcagagtag	ctgggactac	gggcatgtac	caccacaccc	agctgtttgt	ttgtttgttt	70920
atcgctttgt	cttgtttttg	aggctcttatt	atgttgccca	ggctgggtctt	gaactcctgg	70980
cctcaagtaa	tcctcatgcc	tcagcctccc	acagtgtctg	aattacagga	atgagccact	71040
gcacacagac	tgtgggaaag	tttttaacta	aaaattcaat	tttctcttcc	ttttccagtg	71100
agctttccag	tgtctttcaa	ttaatgtatc	tattttatct	aagttgttga	atattattgtc	71160
aaaatttttt	taaacaatat	tcctctctta	gaggttgaac	atctgtagaa	tctgtagtga	71220
tggcacctct	taaatccctg	atcttgcctc	tctgtgtcgt	ctctctttct	ctaactcagta	71280
tgccataagt	ttaatttcat	tgattttctt	aaaaaactgg	ttttgggttt	attgattttt	71340
ttccctagtt	ttttgtgtta	catttccattg	actctgtctc	tgatattttac	tatttccctt	71400
ctactgccta	cagtaagttt	aatttgcctat	tttcttagtt	tcctaaagtg	gaagctaatg	71460
ttattgactt	gaggcctttc	ctctgtctgg	atgcggatatt	ttgtgtctaa	acatttccct	71520
ccaacaccat	gctgtgagtt	ttagttacag	cgggcttgga	gttggcctga	gaaattctac	71580
ttaaacagct	gcacctatca	tgtaagtgat	aaatgatgta	cctgcctggc	cctcaccctc	71640
gggtcaagaa	tgggtgttac	taatgagcaa	tggtgtgcg	tagctgtgga	tttcaaggta	71700
ttttctgtgt	ggtttttatca	tcagcattgt	ttgttgatga	ctgcaagact	gatgatttgc	71760
acctggcctc	ggtgagatcc	ccgaaagacc	ctgcagatgg	gctggttact	tagcagaaaa	71820
tatgacaacg	tggccagcag	gaaacaggaa	ggtacaatcg	gctgcaggtg	agctgttgga	71880
agtaagttcc	aatttttcta	ttttgtattt	gcattttaat	agtgagactg	cgcttatggt	71940

atttgtgtga	aacagcttta	ttcatagcac	tgtaatttaa	agagaaaacc	cattcatggy	72000
aacaacaaac	gacctagaca	ccaaggtagc	tcattgccatc	caaggetata	ctgtgcagtgy	72060
attgggaaaa	tgggcaactgg	ttccagaagt	ctgatcgaca	ctctgccact	ggctagtccc	72120
gtgctggggg	gcgaggatcc	acactctgcc	actggttagt	cccatgctgg	ggacaagtat	72180
ccacactctg	ccactggcta	gtcccgtgct	ggggggcgag	gatccacact	ctgccactgg	72240
ttagtcccat	gctggggaca	agtatccaca	ctctgccact	ggctagtccc	gtgctggggg	72300
gcaaggatcc	acactctgcc	actgattagt	gttgtgaaga	tttaaataaa	gaacccacac	72360
catattcttt	gacttgtgct	ttccgtatc	tgagagatag	taagagtaca	ttattattat	72420
ttataaagta	aactagaaag	cacatgggaa	gacaagaaga	aaacctgaat	aaacatgaat	72480
tacccatttt	ttctcaggag	aaaactttca	cactctgaag	gtacacaaat	tagcctacaa	72540
atttaagtga	aagcaaatag	actgtttagt	gtaccaatc	tcaatgtcac	agtgtttac	72600
ggaaagttaa	atacacaaga	acagcccaaa	agatggaaac	aatggacgtg	gtcaaatgac	72660
atcagtacaa	catccatatg	gtcctaagta	gccatcttta	aaatgggtta	gaaatgcctt	72720
caatcattca	cacagacaca	tgcattgaac	aaactctaa	aagtgttctt	acacgggaaa	72780
agcaagtac	agatgcatgg	gcatgatatg	gatgtagatg	tgtgtatgtg	catcccactc	72840
atacacaata	taccagcat	cgccacatg	cctgctgtgt	gcgtaagtgt	gagcgagtgc	72900
acagacaaca	gcgtgcagaa	attcaaacca	agctgtgggt	acttgttacc	actgggaagg	72960
gagtcggtca	cagagggaaa	gagaaacagg	acatcagcct	ttgacttcag	aactgttctt	73020
gccttttcac	atcctgtgct	gttttcagca	tcattcggagc	ccttaacaca	catcacggga	73080
gtaagagtgt	gttagaggga	gcattcgggt	ggacagatat	tgccatgggt	tgtggataga	73140
gttcacagtc	cttaataatc	cccagatgg	cagccaagag	ctacgttctc	aatcacgcag	73200
cttcacccca	gaaactgaca	gaaacccaac	aaacaaaagg	tgtccattct	gacagcctca	73260
gcctgtgctg	gctcagatga	gcaaaaatgt	acagatatla	ataatgatgt	tgatttgaag	73320
agcacagagg	ggggatatgca	tgataagggt	ccaaattttt	accttaaaaa	agaatacatt	73380
tacttctcaa	tcacctacat	aacgatcatt	ttttaaaaaa	ctgatcaaat	ttggtgttac	73440
aagggcacgt	tgcaaatctt	tctggctact	ttctcttgac	tattctaatt	acgttaccgt	73500
gttttctcct	gtatgtgccc	gttcatgtga	atgtcatttc	tggctacttt	tctctgacta	73560
ttctaattac	gttaccgtgt	tttctcctgt	atgtgccctg	tcattgtgaat	gtcattttctg	73620
gctacttttc	tctgactatt	ctaattacat	taccgtgttt	tctgtatgt	gcccgttcat	73680
gtgaatgtca	tttctggcta	cttttctctg	actattctaa	ttacgttacc	atggtttctc	73740
ctatatgtgc	cctgttcatt	gaatgtcatt	tctggctact	tttctctgac	tattctaatt	73800
acgttaccgt	gttttctcct	gtatgtgccc	gttcatgtga	atgtcatttc	tggctacttt	73860
tctctgacta	ttctaattac	attaccgtgt	tttctgtat	gtgcccgctc	atgtgaatgt	73920
catccaggca	gattttccaa	atccggcttc	ctgtaaccaa	gggctgaaag	agggaaacgg	73980
ttcctgggaa	tcctttttgc	agtttatttt	acccggaggc	agaagcccac	ggttccgtga	74040
agagtctatt	gctctccctt	ctctcctttt	gtgtctctat	ttttaattga	caaaaaagca	74100
aatgtgaaga	ttcctggggt	acaatgcaaa	gtgacaatgc	ctgtctatat	tgtgggatga	74160
ttaaaacaag	gtaagtggca	tatccatcac	ctcacacact	tatcattttg	tggtgagaac	74220
atttaaaatc	tcattcttta	gcaattttga	aatagtcatt	attgttaact	atagtcacca	74280
tgctgtgcaa	cagatcaaaa	gaactgactc	ctcccatcag	cagaaacttc	atgccctttg	74340
accagcatct	ctcctttccc	cgtccacgac	taacccccag	cccaagagaa	cagccaacac	74400
ccacctcgct	cctgtccacac	gacatgtcgg	gttttgatgg	gatggagggtg	aggggtgggga	74460
agacaattcc	aaagctggag	cactggcctc	acagctcaga	cactcttcta	cttatcctga	74520
gagaatgatg	tgctgagacc	aactaaacct	ccccgtctct	tcccacatgg	cagaaaagag	74580
gcaacccagg	gaagccattg	ccaggacatc	atggctaccc	aacctttgtg	cagaaaggaa	74640
gcacctgccc	aggatgccat	agcaccacac	cctcatcccc	aaggaaacac	agcccagggc	74700
accatggaca	cccaaccgtc	atccccaggg	gaggacacag	cccagggcac	catggacacc	74760
caaccctcat	ccccagggga	ggacacagcc	cagggtatct	tggacacca	gccctcatte	74820
ctaggggagt	acacagccca	ggcatctttg	gacatccaac	cctcatcccc	agggaaaggac	74880
acagcccagg	gcattcttga	cacccaaccc	tcattcccat	aagagcacac	agcccagggc	74940
atcgtggagg	cccagccctc	atccctaggg	gaggacacag	cccagggcac	catggacacc	75000
caacctcat	ccccagggga	agacacaacc	caggccacca	ttaacacca	atcatgtgca	75060
gggagggtgt	ccttggagcc	tgggactctt	gccagtgaag	cggtggaaca	gaaactgagg	75120
atgcgatcag	cacacagaaa	tctcaggcag	cctaggatac	atgaggcctc	tcacccctgg	75180
gaacactgag	cagccaccag	gagcccacac	cttgagggtac	agcaggagcc	atgcgctctt	75240
gctcttgcct	actcacactc	ctgcacacag	ccactgacac	acgccctcgt	gcaggttgca	75300
gattaactcc	actggccttg	cacttgcaac	gctggagggt	gagaggtatc	cccaggttct	75360
tttctcgtga	gaggggcagg	ctgactttca	ctctcctcca	tgtgctagag	gcagctccac	75420

agtcctctgt	gcagcgccgt	ccactgtcga	ccggaggagt	ttcttccctg	tgccggagtcc	78960
acgggctctc	tgtgagtggt	tgcatgggca	caagtgtgtg	tgtggctctg	ctgtgtgtct	79020
gtacacacat	atgttttggg	tttttttgtg	tctcagaaca	cagagtctgc	ccctcccacc	79080
aaagcccagg	cagaaggatg	aaccacagcc	cctggggccc	aggcctcagc	agcctctgcg	79140
ggatcattgt	tcccagttgt	cacttgccct	tgccacagcc	ctatttctcc	acaattcctt	79200
aaagtctctc	acatgcattt	aaggcacaaa	ggtgaaactg	cccagaaaca	tctgactccg	79260
ccgtggaacc	caggagcaag	ctgggttagc	taaggagcgg	ggccgttggc	agaggctggg	79320
gatccaggct	gaactttgga	ggaggcatgt	cccagcatgg	gctcctgact	atgtcctcct	79380
gggacaaacc	caaaccgcgt	ctttgaatat	gggaggggact	ttgctggccc	cggccttgac	79440
cgcagcactt	ggaaaactgag	gagtggctgc	ctcctccgtg	tcacagctgc	ccgttcacca	79500
tcatagaagc	aactctgtca	cctccatggg	ccccctctgtg	gctgctgcct	gggtccaagc	79560
tgagcccagc	tgcccaggcc	cagaaggaaa	gcccaggcca	ggtgcccagc	acagaggcag	79620
tcacataccc	cggggagagc	cacagcaagc	agccaatatt	gcccaggaga	ggagtacgtg	79680
acaaggcaga	acgtgagctg	ccatcggctc	gagaggcttt	gctggctcct	ctggggctct	79740
ggacatgacc	aggaggagcg	agggaagaag	tcgcatgggtg	gtcccatcct	gggtggggcc	79800
tgatggcagc	tggccaccgc	tcccagagtg	gcagccagat	gccagcgcca	ttcccacagt	79860
cacatcattg	gtcacagaat	gcaggacata	gagtgtcttc	tttccatcac	agtgtgtctc	79920
agaccatag	cctagggtag	acctggaaga	ttcaatgtcc	acaccggggg	ctggagcgta	79980
gccatgagcc	acgccccctg	cccgctgcatg	gaaagccagc	ccaagctctg	ctccatccct	80040
agccaaaagt	agtgtccttt	ccccctctcc	caagtgagct	ctagccacct	gcctaccctg	80100
ccatctgagg	atgacagcct	tcattccatt	ggaacctggc	tctgccacca	gcaggcttgc	80160
agtctctggc	agactccgtc	acctctctat	gctcagcct	ttccatctgc	acaggaggaa	80220
gatgatgatg	gtggtgatga	tgatggcgat	ggtttccctt	tgcatctgag	gcaaggacta	80280
attgagatga	tacacatcag	gcactgggta	tggtgctggg	ccttcctgag	cactcaatct	80340
atgtgagctg	tccttgtgaa	atgggtgtca	ccacatttcc	ccacgcagaa	catcctttgt	80400
ctgccatact	tgaaacgtct	gccccatac	taacagctcc	tcatggaaga	tgtgcacacc	80460
caccacccct	catactccca	aaggtgcccg	tgcttttatca	agccaaagtc	cagccaggaa	80520
ctttacagca	gcctcccttt	ccctctccaa	gcaccaagga	gcaaggcaaa	gcactacatc	80580
ttccatctgg	aggcaatgcc	accctcttct	cccattttca	ctgccatccc	taagaggcag	80640
tgcttcccca	aaaggttcca	tagcagcctg	cctacagcaa	ctctgttcac	acgagtttca	80700
gcatccttgc	agtggctccc	ctgccatgct	gtggctcttc	attcaccctc	ttctcctgct	80760
ccccgtgaca	ggcatagatt	ctgagtgatc	tggtacacatt	gctttgttta	ataacattac	80820
agcttctgtg	gtgaaaaaga	tacagagat	agagaaggca	attgttgaac	acaaaatagt	80880
gacagcagag	atgacggcaa	gttggcattt	ttcttttcta	gcaataaaaac	ttaaagctga	80940
ctcaaggaga	aatggaaatc	ataattggaa	cagtaatcct	caagaaagca	ttaagattat	81000
taaataattg	ccctcacaga	tgacttcagg	ccaagatggc	tttatgggtg	aagtttagac	81060
tttcacaaaa	ctaatacagtt	cccataagaa	ctgctccagg	atttgaggga	acatgggaaa	81120
gtctattaaa	gggatcacaa	ttcacagtcc	ccagagtaaa	acatgggcta	acttgcattt	81180
tggcaagag	ccaaatgtta	taaatgacat	cctagaaggc	caaattctgt	ccatctcggt	81240
gaacaaggac	ttacaccagg	aatttagaac	tatttatagc	tcatcccacc	actcaggcca	81300
atgatgacc	atgatcatct	caccagaaat	ggaaagactc	agatgattaa	tagagtctca	81360
atttctctga	gacatctaag	agcccagccc	aagcccagac	ccaggagggc	accaggcct	81420
ggacagagaa	cactgatatc	acaccagccc	tccagaggga	agcagagact	ccttcaagct	81480
ctggaaacac	aggcccagac	agctgcccaa	agttgggcag	gcttcactgc	aaacccaaat	81540
catgaagcta	ggtaacacct	ttacagattc	tttacattta	aaaatcatca	aaacaagagt	81600
aaataataaa	ctcaaataat	attaatctaa	tatgtaaaagg	tcttgtacca	ttattatgca	81660
aacaacatac	ataagctaata	aagaaaaaga	acaaatccct	taagaaatcg	gcaaaaagga	81720
tataacacaa	tttctaaaag	aaaacaaatg	gctagcacac	ataaggaaaa	cactttgtga	81780
acagacattc	ttcagaacat	tatttataat	tataaaatag	ttgaaagcaa	gatagtgcct	81840
gaagaaatta	tgggtgcatac	attagtggga	ctattctgca	aacattccca	attatacttg	81900
tcacatatct	gtgataacgt	gacagccagc	attcatgggg	tgacctcatt	tggtaaaaagg	81960
gtgcaaaagt	caacacgcct	tgtgagatga	ctgtgggtgta	aaatttagtg	gattattccg	82020
caaacattcc	caattatatac	taccgcatat	ctgtgataac	atgacagcat	tcatgggggtg	82080
acctcatttg	gtaaaaagggt	gcaaaagctca	acacgcattg	tgagatgact	ggtgtaaata	82140
caaagaccaa	actgtgaaaa	ggagtccatc	aattaatcga	tgcttacctt	cagttttggg	82200
ctaatttttta	aagtatgcta	taagcatatg	ctcctgttat	aacagaatgg	agggattatg	82260
agagatgatg	caggtgtgtc	ctgggcctcc	cctggcccac	tgggcccctag	agatgccttc	82320
ccaggcatcg	ctgtcagggc	ttccctcaga	gggagtcctg	tattgacctc	accaccaagg	82380

atcctactgc	tatgggtccca	gtgctcctgg	ccagaactga	ccctaccacc	gacaagagtc	85920
cctcagggaa	acgggggtca	ctggcacctc	ccagcatcaa	ccccaggcag	cacaggcata	85980
aacccccacat	ccagagccga	ctccaggagc	agagacaccc	cagtaccctg	ggggacaccg	86040
accctgatga	ctccccactg	gaatccaccc	cagagtccac	caggaccaa	gaccccgccc	86100
ctgtctctgt	ccctcactca	ggacctgctg	cggggcgggc	catgagacca	gactcgggct	86160
tagggaacac	cactgtggcc	ccaacctcga	ccaggccaca	ggcccttcct	tcctgccctg	86220
cggcagcaca	gactttgggg	tctgtgcaga	gaggaatcac	agaggcccca	ggctgagggtg	86280
gtgggggtgg	aagacccccca	ggaggtggcc	cacttccctt	cctcccagct	ggaaccacc	86340
atgaccttct	taagataggg	gtgtcatcgg	aggcagggtcc	tccatggagc	tccttcagg	86400
ctcctccccg	gtcctcacta	ggcctcagtc	cgggtcgggg	gaatgcagcc	accacaggca	86460
caccaggcag	cccagaccca	gccagcctgc	agtggcccaag	cccacattct	ggagcagagc	86520
aggctgtgtc	tgggagagtc	tgggtccccc	accgcccccc	cgcacacccc	accacccct	86580
gtccaggccc	tatgcaggag	ggtcagagcc	ccccatgggg	tatggactta	gggtctcact	86640
cacgtggctc	ccctcctggg	tgaaggggtc	tcatgcccag	atccccacag	cagagctggt	86700
caaaggtgga	ggcagtggcc	ccaggggccac	cctgacctgg	accctcaggc	tcctctagcc	86760
ctggctgccc	tgtgtctcct	gggaggcctg	gactccacca	gaccacaggt	ccagggcacc	86820
gcccataaggt	gctgccccaca	ctcagttcac	aggaagaaga	taagctccag	accccccaaga	86880
ctgggacctg	ccttctctgcc	accgcttgta	gctccagacc	tcctgtgctc	ccccgaccac	86940
ttacacacgg	gccagggagc	tgttccacaa	agatcaaccc	caaaccggga	ccgcttgcca	87000
ctcggggcgc	tggcacttcc	ctctccattt	gttcccagca	cctctgtgct	ccctccctcc	87060
tcctccttcc	aggggaacag	cctgtgcagc	ccctccctgc	accccacacc	ctggggaggc	87120
ccaacccctgc	ctccagccct	ttctcccccg	ctgctcttcc	tgcccatcca	gacaaccctg	87180
gggtcccatc	cctgcagcct	acacccctggt	ctccacccag	acccctgtct	ctccctccag	87240
acacccctcc	caggccaacc	ctgcacatgc	aggccctccc	cttttctgct	gccagagcct	87300
cagttttotac	cctctgtgcc	taccccttgc	ctcctcctgc	ccacaactcg	agctcttctt	87360
ctcctggggc	ccctgagcca	tggcactgac	cgtgcactcc	cacccccaca	ctgcccctgc	87420
cctcaccttc	ctcctggaca	ctctgacccc	gctccctctt	tggacccagc	cctggtatct	87480
ccaggacaaa	ggctcaccaca	agtcttcccc	atgcaggccc	ttgccctcac	tgcccgggta	87540
cacggcagcc	tcctgtgcac	agaagcaggg	agctcagccc	ttccacaggc	agaaggcact	87600
gaaagaaate	ggcctccagc	accctgatgc	acgtccgctt	gtgtctctca	ctgcccgcac	87660
ctgcagggag	gctcggcact	ccctgtaaag	acgagggatc	caggcagcaa	catcatggga	87720
gaatgcaggg	ctcccagaca	gcccagccct	ctcgcaggcc	tctcctggga	agagaccctg	87780
agccaccact	gaacagccac	ggagcccgtc	ggatagtaac	tgagtcagtg	accgacctgg	87840
agggcagggg	agcagtgaac	cggagcccag	accatagggg	cagagaccag	ccgtgacat	87900
cccagagccc	tacttgggcg	cccagaaca	ccgctgggaa	acagaacaga	cccacattcc	87960
cacctggaac	agggcagaca	ctgctgagcc	cccagcacca	gccctgagaa	acaccaggca	88020
acggcatcag	agggggctcc	tgagaaaagaa	aggaggggag	gtctccttca	ccagcaagta	88080
cttcccttga	ccaaaaacag	ggtccacgca	actccccccag	gacaaaggag	gagccccctg	88140
tacagcactg	ggctcagagt	cctctccccc	acacccctgag	tttcagacaa	aaacccccctg	88200
gaaatcatag	tatcagcagg	agaactagcc	agagacagca	agaggggact	cagtgactcc	88260
cgcgggggaca	ggaggatctt	gtgggggctc	gtgtcactgt	gaggatattg	tagtagtacc	88320
agctgctata	cccacagtga	cacagcccca	ttcccaaagc	cctgctgtaa	acgcttccac	88380
ttctggagct	gaggggctgg	ggggagcgtc	tgggaagtag	ggcctagggg	tggccatcaa	88440
tgccccaaac	gcaccagact	cccccccaga	catcacccca	ctggccagtg	agcagagtaa	88500
acagaaaatg	agaagcagct	gggaagcttg	cacaggcccc	aaggaaagag	ctttggcggg	88560
tgtgcaagag	gggatgcggg	cagagcctga	gcagggcctt	ttgctgtttc	tgttttctctg	88620
tgcagatagt	tcataaaact	ggtgttcaag	atcgatgggt	gggagtgagc	ccaggaggac	88680
agtgtgggaa	gggcacaggg	aaggagaagc	agccgctatc	ctacactgtc	atctttcaag	88740
agtttgccct	gtgcccacaa	tgctgcatca	tgggatgctt	aacagctgat	gtagacacag	88800
ctaaagagag	aatcagtga	atggatttgc	agcacagatc	tgaataaatt	ctccagaatg	88860
tggagccaca	cagaagcaag	cacaaggaaa	gtgcctgatg	caagggcaaa	gtacagtgtg	88920
taccttcagg	ctgggcacag	acactctgaa	aagccttggc	aggaactccc	tgcacaaag	88980
cagagccctg	caggcaatgc	cagctccaga	ggcctccctg	agagcctcat	gggcaaaag	89040
gtgcacaaca	ggtgttttct	atagccccaa	actgagaatg	aagcaaacag	ccatctgaag	89100
gaaaacaggc	aaataaacga	tggcaggttc	atgaaatgca	aacccagaca	gccagaagga	89160
caacagttag	ggttacaggt	gactctgtgg	ttgagttcat	gacaatgctg	agtaattgga	89220
gtaacaaagg	aaagtccaaa	aaatactttc	aatgtgattt	cttctaaata	aaattttacag	89280
ccggcaaaat	gaactatctt	cttaagggat	aaactttcca	ctaggaaaac	tataaggaaa	89340

tgtccaaaac	tgtctccccg	ccactgctgg	aggcccagcc	agagaaggga	ccagccgccc	124200
gaacatacga	ccttcccaga	cctcatgacc	cccagcactt	ggagctccac	agtgtcccca	124260
ttggatgggtg	aggatggggg	ccggggccat	ctgcacctcc	caacatcacc	cccaggcagc	124320
acaggcacaa	accccaaate	cagagccgac	accaggaaca	cagacacccc	aataccctgg	124380
gggaaccttg	ccttggtgac	ttcccactgg	gateccaccc	cgtgtccacc	tggatcaaag	124440
accccaccgc	tgtctctgtc	cctcactcag	ggcctgctga	ggggcggttg	ctttggagca	124500
gactcaggtt	taggggccac	cattgtgggg	cccaacctcg	accaggacac	agatttttct	124560
ttcctgccct	ggggcaacac	agactttggg	gtctgtgcag	ggaggacctt	ctggaaagtc	124620
accaagcaca	gagccctgac	tgaggtgggt	tcaggaagac	ccccaggagg	gggcttgtgc	124680
cccttccctt	catgtggacc	ccatgcccc	caagataggg	gcacatgca	gggcagggtc	124740
tccatgcagc	caccactagg	caactccctg	gcgcgggtcc	ccactgcgcc	tccatcccgg	124800
ctctggggat	gcagccacca	tggccacacc	aggcagcccg	ggtccagcaa	ccctcagctg	124860
cccaagccct	tggaggattt	cccagagggt	ggagcccacc	cctcctcacc	ccccacacc	124920
tgcacacaca	cacctacccc	ctgcccagtc	ccccccagg	agggttggag	ccgcccatag	124980
ggtgggggct	ccaggctctca	ctcactcgct	tcccttctct	ggcaaaggag	cctcgtgccc	125040
cggtccccc	tgacggcgct	gggcacagggt	gtgggtactg	ggcccagggg	ctcctccagc	125100
cccagctgcc	ctgctctccc	tgggaggcct	gggcaccacc	agaccaccag	tccagggcac	125160
agccccaggg	agccgcccac	tgccagctca	caggaagaag	ataagcttca	gacctcagg	125220
gcccggagct	gccttctctg	caccccttcc	tgcccagac	ctccatgccc	ttccccaacc	125280
acttacacac	aagccaggga	gctgtttcca	cacagttcaa	ccccaaacca	ggacggcctg	125340
gcactcgggt	cactgccatt	tctgtctgca	ttcgctccca	gcgcccctgt	gttccctccc	125400
tcctccctcc	ttcctttctt	cctgcattgg	gttcatgccc	cagagtgcga	ggtgcaggtc	125460
agccctgagc	ttggggtcac	ctcctcactg	aaggcagcct	cagggtgccc	aggggcaggc	125520
aggggtgggg	tgaggcttcc	agctccaacc	gctccactag	ccgagactaa	ggaagtgaga	125580
ggcagccaga	aatccagacc	attccatagc	aatgggattt	cattaaagtt	accagacttc	125640
agtgtaaagta	acatgagccc	catgcacaa	aatcccttat	gaaggggaag	tcagtgtcgc	125700
ctcggatttc	ttgaaaaaca	caaaaactta	tcaatgcctg	taaaagtctg	ttggaaagaa	125760
aatatgattc	aagaatgtta	tgcccaacaa	agctggcata	ttttctaccc	ggacacactc	125820
agggaaatgtg	gtcccttgag	tgctttctct	actgcgtaaa	tcctacgtgg	tgtttaagca	125880
tattcataaaa	tgtgtatgtc	tatttttatg	tgtaagatgg	ttcatittta	ttttatttat	125940
tcaatatgta	caataaagaa	tattgacaaa	taggctggac	atggtggctc	ccacctgtaa	126000
tcccagccct	ttgggaggcc	gaggcgggca	gacacctga	ggtctggagt	tcgagaccag	126060
cctggccaac	atgatgaaaa	cccatctcta	ctaaaaatac	aaagattagc	caggcatggt	126120
ggtgactgcc	tgtaatccca	gccactcagg	aggctgagac	aggagaaatg	cgtgaaccgc	126180
gaaggcggag	gttgcagtga	gccgagatca	caccactgca	ctccagcctg	gcgacagagc	126240
aagattccat	ctcaaaaaaa	aaaaaagaca	aagaaatttg	tttttttgaa	taaagacaaa	126300
tttcatcaca	cgaagataaa	gatgcaaagc	tccagacagg	aaggcacgga	cagcacagtg	126360
aagcccggag	cgggcgctgg	ggggccaggg	gcattggcgg	ggtgccagcg	tctctcgggt	126420
cctaccatgg	ccactccagc	ctgtgttctc	acgaggatgg	ctgtgcaatg	ctaggagcgt	126480
gttcgaagct	ctaggggcaac	cactggaaagt	gaggctgagg	agcagagccc	agaggcccgt	126540
ggagctgatg	aaaagaaagc	tggagaaagt	gtttgctgcc	tcccaacatg	gtaagaaaag	126600
atagaaagag	agagcacacg	gcaaagggag	cttgctgagg	gactctttac	aatggcttgc	126660
acagagctca	gggggtcttg	gaggctaggg	ccctgcgcag	ggcagtcacc	ccagcctgct	126720
gaccaaggtt	tgctgcaggc	agctctgggg	gtggttgagg	cgcggtccct	ggagccacc	126780
ctcaagggaa	cgaggcagca	gagtgggcca	aggcccaggt	cggtgcaag	gctgccaggg	126840
acttgggggtc	cttacatcag	cagccactga	tgcagctggc	ccagagagag	gcgcccagca	126900
ggttgccctcc	aggggacaaa	ccaggctcgga	gaggggtgagg	cagtggatgg	agccacaaca	126960
accccgggca	cgggtgacac	gcacgttcat	gcacatctga	cccttccctc	ctcaccaaac	127020
agggtccccc	gccttcccca	tggttgcgaa	aaagcaaaat	gtagacgttt	tttctttttt	127080
aattcatgtt	tttaattgaca	aatgaagccg	tatatattta	ttgtgtacaa	catgatgctt	127140
taaaatatgt	atacatcgtg	gaacagcaac	gttgagctaa	tttaacacgc	attacttcac	127200
atacttgtca	tcttttgttg	cgagaatgct	taaaatccac	tctcttagta	ttttttaaga	127260
atgcaatata	ttgttgtcaa	ctgtggctac	cgtcatgcac	agccaagctc	ccgacctcac	127320
cctcctgcca	gctcaggctg	tgcatccttt	caaccagctc	ccccaccccg	gcccctggcc	127380
ctggtaacta	ccactctata	ctctacgtat	gagttcagct	ttttaagatt	ccacagatga	127440
atgagatcat	acagtatttg	ctttctatgc	ctggcttatt	ttagttaaca	cactgtcctc	127500
cagatccatc	cgttgttgca	aatgacaggg	tttcattctt	tttaaagtct	aaagagtatt	127560
ccattgtgtc	aatggacctc	atttgcttta	tccatgcac	aactatggac	atttaggttg	127620

attccatttc	ttagctgttg	tggatggtgc	tgcagtaaac	atggggctgc	agatgtctct	127680
tcaacatact	gacatcatgt	cctttggata	aatacccagt	agtgggatcg	ctggatcaca	127740
atgtacagtt	ttttttttaa	tggaaacttt	catttttttg	tgaatttagg	aaaacagata	127800
aaaccacag	aatccaaaat	atatgtgaag	atgccaaaaa	cagttgacat	tgggcagagg	127860
tcacatggaa	ggaagtgaat	acatgacggg	gtgtgagggc	ccagaggcag	ctgaaatacg	127920
ctttctaaac	acaaggacct	cttctgagag	ggcagaagtt	ttatcctgca	catgcaatga	127980
ccagcacagc	taaaatacac	tttctaaaca	tgaggacctc	ttctgagagg	gcagctttat	128040
cctgcaaagt	caatgaccag	cacaggaccc	agaataaaga	gagttgccag	cggacgcctg	128100
gtgtccatgt	gtccagggtga	gttcgagatg	cggacggggc	tggccagcca	gtcacaccct	128160
aagtcaatct	gctgcatgca	tttgtccttg	ccacagcaga	aaacgagaaa	gcctttgggc	128220
tgcaaaagctt	cacaggctcc	tcttctcccg	atcccatgga	aacagctaca	aagagcaggc	128280
ccagtagagc	ttaattcatg	aaaatgagta	ataaacttga	actggaacag	tatcgacttt	128340
ttagaaaagg	cagcaaagtg	tataaaaaat	attcaccaga	acaatatattc	caaacgatga	128400
gatgagaatt	tcagccaagt	aatcctccat	ggatagaaaa	taatgaaggg	attggattta	128460
tgaaggaaaa	tcattggagct	caaatacaag	aaaagagaat	caaaaatgaa	caggaggaga	128520
taaaatatgg	tttggccaaa	gttacaaaat	aaatttttta	aaaacccttc	atcatggcaa	128580
gtagaaagag	cgagaggaaa	aacagatccc	gtggaagaca	caaataaggac	atggggagaa	128640
aaatgaatga	gatgaaacag	agcagaaata	aaatttttacg	gaactaaaga	caagtgatct	128700
gaacctgcct	ggggcctggg	ggacctcgcc	acctgaagg	gaaagaacat	gcctggctgg	128760
ctttgccacc	tgtcatttgc	agagccccac	agcttgcaac	aaacataggc	ggtagccagg	128820
gagtggttac	agcaggcctt	gagcaagacc	cagtggtgtg	ctgacttcag	gtctgaccca	128880
gcactgtcat	atggtgtgtg	tccatagtgg	tagtgggggg	gcttgtgtca	ctccaccccc	128940
atctccagga	ggctcagaac	agacagagag	agactccatt	tgtttgggag	aaagtaaggg	129000
atgagaacaa	gagttctctgc	ctggtaatcc	agagaattat	tctagatctt	ggccaagatt	129060
atcaaagcag	tacctctatg	agtcttttgg	gcttggagtc	cccctaaagc	agatatagct	129120
aagatcacaa	cacccaagtc	cttttgaata	tgtgggaaga	cttcccaagg	acaggagcaa	129180
acaaacaagc	ccagactgca	aaaaaacaag	ccgagactgc	aataaacacc	tcactcttca	129240
atgcccaggc	actgaagaac	atctcctagc	agcaacacca	tccaggaaaa	catggcctca	129300
accagtgaac	taaataaggc	accagggacc	agtctcggag	aaatagaggt	atgttatctt	129360
tcagagaatt	caaagtagct	ttgttgagga	aactcaaaga	aattcaagat	aacacagtga	129420
aggaattcag	aatcctatcc	gataaattta	acagagattg	aagcaattaa	aaagaattaa	129480
gcagaaatta	tggagctgaa	aaatgcaatt	ggcatactga	aaaatgcata	agagtatttt	129540
catagcctca	tatatcaagt	agaagaaaga	attagtgagc	ttgaaaacag	gctattttgga	129600
aaagcacgat	aaaaggagac	aaaagagaaa	agaataaata	acaatgaagc	atatctacag	129660
gatctagaaa	atagcctcaa	aaggccaaat	ctaagaatta	ttagccttaa	agaggaggta	129720
gagaaagagg	gatggagagt	ttattcaaag	ggataataac	agaaaacttc	ccaaacctag	129780
agaaagatat	caatatccaa	atgcaagaag	gatgtagtac	accaaggaga	tttaatgcaa	129840
agaagactac	ctcaaggcat	tcaatactca	aactcccata	tgacaaggac	tttaaaaaaga	129900
tctaaaagc	agcaaaagaa	agaaaatgaa	taaaatacta	tggagctcca	atatgtcttg	129960
cagcagactt	ttcagtgaag	acttttatatg	ccaggagaga	gtgtcataat	ggattttaag	130020
tgtgaaggaa	aaaaactttt	accctcgaa	agtatagctg	gtgaaattat	ccttcaaaaa	130080
tgaaggagaa	ataatttgtt	tccagacaaa	tgttgaggga	tttcatgaac	accagacctg	130140
tcttttaaga	aatgctaaag	ggagtacttc	aactcagaaag	aaacacgtta	gtgaacaata	130200
agaaatcatc	tgaaggcaca	aaactcaccg	gtaatagtaa	gtacacagaa	aaacacagaa	130260
tattataaca	ctgtaactgt	ggtgtgtaaa	ctccttttgt	ttgtttgttt	gtttgtttgt	130320
ttgtttttgt	ttttagacgg	agttttgtct	cagcccaggc	tggagtgcaa	tggcacaatc	130380
tcagctcact	gcaacttcca	cctcccgggt	tcaagcaatt	ctcctgcctc	agcctcccaa	130440
gtagctggga	ttacaggcat	gtgctacat	gtccagctaa	ttttgtattt	tagtagagac	130500
ggtgtttcac	catgttggtc	aggctagcct	tatcttgagt	agaaaaacta	aatgatgaag	130560
caatgaaaaa	taataactac	aacttttcaa	gacatagtac	aataagatat	aatcataaac	130620
aaaaagttaa	aaggtggagg	gatgaagtta	aggcatagag	tctttattag	ttttcttttt	130680
acttgtctgt	ttatgcaaac	agtgttaagt	tgtcatcagt	ttaaaataat	gggtcataag	130740
atactatttg	caagctcat	ggtaacgtca	aaccaaaagc	aatacaacag	atacaaaaaa	130800
aacaaaaagc	aagaagctaa	attacgtcat	cagagaaaaa	caccttcact	aaaagggaaga	130860
cggagaaaaag	aatgaagaga	gagaagacca	aaagcaaaata	gcaatatggc	aggagtaagt	130920
ccttacttat	caataatacc	attgaatgta	aatggactaa	actctccaat	caaaagacat	130980
agagtggctg	aatcaattaa	agaaaaaaca	agaccatttg	atctgttggtc	cacaagaaac	131040
acactttatc	tataaagaca	cacatagact	gaaaacaaag	ggatggaaaa	agatactcca	131100

cgccaatgga	aaccaaagaa	agagcaggag	tagctacact	tatatcaggg	aaaatagatt	131160
tcaagacaaa	aactataaga	agagacaagg	tcactaatga	taaacagggtc	aattcagcaa	131220
gaggatataa	caattgtaaa	tatatatgca	cccaatgctg	gagcaccag	atatataaag	131280
caagtatttta	ctagagctaa	agagagaaat	agactccaat	gcaataatag	ctggagattt	131340
caacatccca	ctttcaacat	tgaacagatc	ctccagatag	aaaatcaaca	aagaaatatt	131400
ggactttaatc	tgcactatcg	accaaagtga	tctaacagat	atttacagaa	cattttcatcc	131460
aacagctgca	gaacacacat	tcttttcctc	agcacataga	tcattctcaa	ggatagacca	131520
tatgttgggt	cacaaaacaa	gtttttaaatt	attcaaatac	attgaaataa	tatcaagcat	131580
cttctgtgac	cacaatggac	taaaactaga	aatcaataac	aagagggaatt	ttggaaacta	131640
tataaatata	tggaaattaa	tgaatgctga	gtgggtcaat	gaagcaatta	agaaggaaac	131700
tgaatttttt	cttggaaacga	atgatcatgg	aaacagaaaa	taccaaacc	tatgggatac	131760
agcaaaagca	gtactaagag	ggaagtgtac	agctacaaat	gcttacatta	aaaaagaaga	131820
aaaacttcaa	taaaaaaac	taacaatgca	tcttaaagaa	ctagaaaagc	aagagggaat	131880
caaattccaaa	attagtagaa	gaaaacagta	aagggtcagag	cagaaataag	taaaattgaa	131940
atgaagaaaa	caatacaaaa	gatcaataaa	acaacagggt	gttttcttga	aaagttaaac	132000
aaaattgaca	aaccttttagc	cagactaaga	aaaaaagaca	gaagatccaa	ataaataaaa	132060
tcagagatga	aaaagggtgac	attacaactt	acaccacaga	aattcaaagg	atcatttagtg	132120
gctactataa	gcaactatat	gccataaat	tggaaaatct	agaagaaatg	cagaaattcc	132180
tagacacata	caacctccca	agattaaacc	aagaagaaat	tcaaaacctg	aacagactga	132240
taacaagtaa	tgagatcaaaa	gccgtaataa	aaagcctccc	agtaaagaga	agcccaggac	132300
ccgacggctt	cactgctgaa	ttctacccaa	catttaaagt	agaactaata	ccaatcctac	132360
tcaaactatt	ccaaaaata	gagggtggaag	gaatacttca	aaactcatta	tacggaggcca	132420
gtattaacct	gacaccaaaa	ctagacaaag	acacatgaaa	aaaagaaaac	tacaggccaa	132480
tatgtctgat	gaatattgac	acaaaaatcc	tcaacaaaat	actagcaaac	caaattcaac	132540
tacacattag	aaagttcact	catcatgacc	aagtgggaatt	tatctaactt	gggatgcaaa	132600
gatggttcaa	catatgcaaa	tcaatcaatg	tgatacatca	tatcaacaga	atgaacaaca	132660
aaaaccattt	gatcatttaa	ttgatactga	aaaagcattt	gataaaattc	aacatttcctt	132720
cataataaaa	attctcttct	atactaggta	caaaagaaac	ttacctcaac	ataataaagc	132780
catatatgac	agtcccacag	tatgatacta	aatgaggaaa	aactgagagc	ctttcctcta	132840
cgatctggaa	catgacaaag	atgcccactt	tcactactgt	tattcaacat	agtactggaa	132900
gtcctagctg	gagcgatcag	acaagagaaa	gatataaaaag	acatccaaat	tggaaaggaa	132960
taagtcaaat	tatcctcatt	tgcatatggt	atgatcttct	atttagagct	aactaaagac	133020
tccaccaaaa	aaagttatta	gaactgcga	acaaattcag	taaagctgca	ggatatacaaa	133080
tcaacataca	aaaatcagta	gcatttctat	atgccaacaa	tgaccaatgt	gaaaaagaaa	133140
ttaaaaagta	accctattta	caataaccac	aaataaacac	ctaggaatta	accaaagagg	133200
taaaagattt	ctgtaatgaa	aactataaaa	cactgatgaa	agaaattgaa	gagtacacca	133260
aaaaatggaa	agcaattgca	tgttcatgga	ttagaagaat	cagtgttggt	ataatgtcca	133320
tactatccaa	agcaatctac	agattcaatg	caatccttat	caaaatacca	atgacatcat	133380
tcacagaaat	agaaaaaaa	aatcctaaaa	tttacgtgga	accacaaaga	cccagaatag	133440
ccaaagctct	cctaagcaaa	aagaacgaaa	ctgtaggaat	gacattgcct	gtcttcaaat	133500
tctaactacg	agctatagat	agtaaccaaa	acagcgtggt	actggcataa	aaacagacac	133560
agagacaaac	agaacaaaat	ttaaaaaccc	agaaataaat	ccacacacct	acagcaaatt	133620
catttttgac	aaagttgcca	agaacatact	ctggggaata	gataatgata	tctcttcaat	133680
aaatagtgtg	gggaaaactg	gatataccata	tacataacag	tgaaactaga	ccccctctct	133740
tctcactata	tacaaaaatc	aaatcaaaat	tgtttaagga	cttaaatcta	agacctcata	133800
ctatgaaacc	actgcaagac	aaccttggcg	gaaactctcc	aagacatcag	tccaggcaaa	133860
gattttcttga	gtaatatccc	acaagcacag	acaaccaaag	caaaaatgga	caaatgggat	133920
cacatcaagt	taaaaagctt	ctgcacagta	agggaaacaa	ccaacaaaat	gaagagacaa	133980
cccacagaat	gggagaaaat	atttgaaaaa	tacccatctg	gcaagggatt	aaaaaccaga	134040
atatatgcag	aatatataag	gagctcaaac	agtgtctatag	aaaaaaaaat	ctaataatct	134100
gatttataaaa	tgggaaaaat	gttagaatag	acatttctta	aaataagaca	tacagatggc	134160
aaaccgacat	ggaacggtgc	tcaacatcat	ggattatcac	agaaacacaa	tcaatcaaaa	134220
ctaaaactaa	aatgtgctat	catctcacc	cagttaaaaa	ggctgatatc	cagaagacag	134280
gcaataacaa	atgtctggca	ggatgtgggg	aaaaggggagc	ccccatacac	tggtgtgggg	134340
attgtaaaat	agtaacaacca	ctgtggagag	cagcatgaaa	gttctctcaa	aaactgaaag	134400
aaagctacca	taggatccag	caatcccact	gctgtgtata	tactacaaaa	gaaagggaagt	134460
cagtatatga	agagggtatct	gcactcccat	gtttgttgca	gccctgttca	caacagccaa	134520
gatttgggaag	caacctaaagt	gtccatcagc	agttgaatgt	ataaagaaaa	tgtggtgcac	134580

gfttcctccag 138120
 ctagagagag 138180
 ttagaaacac 138240
 cccacacac 138300
 cctctctgag 138360
 gctccctctc 138420
 cccacacac 138480
 138540
 cccacacac 138600
 cccacacac 138660
 138720
 cccacacac 138780
 138840
 138900
 138960
 139020
 139080
 139140
 139200
 139260
 139320
 139380
 139440
 139500
 139560
 139620
 139680
 139740
 139800
 139860
 139920
 139980
 140040
 140100
 140160
 140220
 140280
 140340
 140400
 140460
 140520
 140580
 140640
 140700
 140760
 140820
 140880
 140940
 141000
 141060
 141120
 141180
 141240
 141300
 141360
 141420
 141480
 141540

gccagaatgt	ggggtaactg	ggaggccagc	agagggttcc	atgagaaggg	caggacaggg	141600
ccacggacag	tcagcttcca	tgtgacgcc	ggagacagaa	ggtctctggg	tggctgggtt	141660
tttgtggggt	gaggatggac	attctgccat	tgtgattact	actactacta	cggtagggac	141720
gtctggggcc	aagggaccac	ggtcacgcgc	tcctcaggta	agaatggcca	ctctagggcc	141780
tttgttttct	gctactgcct	gtgggggttc	ctgagcattg	cagggttggtc	ctcggggcat	141840
gttccgaggg	gacctgggcg	gactggccag	gaggggacgg	gcactggggg	gccttgagga	141900
tctgggagcc	tctgtggatt	ttccgatgcc	tttggaaaaa	gggactcagg	ttgggtgcgt	141960
ctgatggagt	aactgagcct	ctagactgag	cattgcagac	taatcttggg	tattttgtcc	142020
tgagggagcc	ggctgagaga	agttgggaaa	taaactgtct	agggatctca	gagccttttag	142080
gacagattat	ctccacatct	ttgaaaaact	aagaatctgt	gtgatgggtg	tgggtggagtc	142140
cctggatgat	gggataggga	ctttggaggc	tcatttgagg	gagatgctaa	aacaatccta	142200
tggctggagg	gatatgtggg	gctgtagttg	gagattttca	gttttttagaa	taaaagtatt	142260
agctgcggaa	tatacttcag	gaccacctct	gtgacagcat	ttatacagta	tccgatgcat	142320
agggacaaa	agtggagtg	ggcactttct	ttagattttg	gaggaatgtt	ccacactaga	142380
ttgtttaaaa	cttcattttg	tgggaaggaga	gctgtcttag	tgattgagtc	aaggggagaaa	142440
ggcatctagc	ctcgggtctca	aaagggtagt	tgctgtctag	agagggtctg	tggagcctgc	142500
aaaagtccag	ctttcaaagg	aacacagaag	tatgtgtatg	gaatattaga	agatgttgct	142560
ttactcttta	agttgggttc	taggaaaaat	agttaaatac	tgtgacttta	aaatgtgaga	142620
gggttttcaa	gtactcattt	ttttaaatgt	ccaaaattct	tgtcaatcag	tttgagggtct	142680
tgtttgtgta	gaactgatat	tacttaaaag	ttaaccgagg	aatgggagtg	aggctctctc	142740
ataacctatt	cagaactgac	ttttaacaat	aataaaattaa	gtttcaaata	tttttaaattg	142800
aatttgacaa	tgttgagttg	gagtcaagat	ggccgatcag	aaccagaaca	cctgcagcag	142860
ctggcaggaa	gcaggtcatg	tggcaaggct	atttggggaa	gggaaaaataa	aaccactagg	142920
taaacttgta	gctgtggttt	gaagaagtgg	ttttgaaaca	ctctgtccag	ccccacccaaa	142980
ccgaaagtcc	aggctgagca	aaacaccacc	tgggtaattt	gcattttctaa	aataagttga	143040
ggattcagcc	gaaactggag	aggctctctt	ttactttatt	gagttcaacc	ttttaattttt	143100
agcttgagta	gttctagttt	ccccaaactt	aagtttatcg	acttctaaaa	tgtattttaga	143160
attcattttc	aaaattaggt	tatgtaagaa	attgaaggac	tttagtgtct	ttaatttcta	143220
atatatttag	aaaacttctt	aaaattactc	tattattctt	ccctctgatt	attgggtctcc	143280
attcaattct	tttccaatac	ccgaagcatt	tacagtgact	ttgttcatga	tcttttttag	143340
ttgtttgttt	tgccttacta	ttaagacttt	gacattctgg	tcaaacgggc	ttcacaaatc	143400
tttttcaaga	ccactttctg	agtattcatt	ttaggagaaa	gacttttttt	ttaaatgaat	143460
gcaattatct	agaacttattt	cagttgaaca	tgtgtgttgg	tgggttgagag	gacactcagt	143520
cagtcagtga	cgtgaagggc	ttctaagcca	gtccacatgc	tctgtgtgaa	ctccctctgg	143580
ccctgcttat	tgttgaatgg	gccaaaggtc	tgagaccagg	ctgctgctgg	gtaggcctgg	143640
actttgggtc	tcccacccag	acctgggaat	gtatgggtgt	ggcttctgct	acccatccac	143700
ctggctgctc	atggaccagc	cagcctcggg	ggctttgaag	gaacaattcc	acacaaagac	143760
tctggacctc	tccgaaacca	ggcaccgcaa	atggtaagcc	agaggcagcc	acagctgtgg	143820
ctgctgctct	taaagcttgt	aaactgtttc	tgtttaagag	ggactgagtc	ttcagtcatt	143880
gctttagggg	gagaaagaga	catttgtgtg	tcttttgagt	accgttgtct	gggtcactca	143940
catttaactt	tcttgaaaaa	actagtaaaa	gaaaaatgtt	gctgtttaac	caataatcat	144000
agagctcatg	gtacttttag	gaaactctag	aaagcgtgta	tacaattgtc	tgggaattatt	144060
tcagttaaagt	gtattagttg	aggtaactgt	gctgtctcta	cttcagttat	acatgtgggt	144120
ttgaattttg	aatctattct	ggctcttctt	aagcagaaaa	tttagataaa	atggataacct	144180
cagtggtttt	taatgggtgg	tttaatatag	aagggaattta	aattggaagc	taattttagaa	144240
tcagtaagga	gggacccagg	ctaagaaggc	aatcctggga	ttctggaaga	aaagatgttt	144300
ttagttttta	tagaaaaacac	tactacattc	ttgatctaca	actcaatgtg	gtttaatgaa	144360
tttgaagttg	ccagtaaattg	tacttctctg	ttgttaaaga	atgggtatcaa	aggacagtgc	144420
ttagatccga	ggtgagtggt	agaggacagg	ggctggggta	tggatacgca	gaagggaaggc	144480
cacagctgta	cagaattgag	aaagaataga	gacctgcagt	tgaggccagc	aggctcggctg	144540
gactaactct	ccagccacag	taatgaccca	gacagagaaa	gccagactca	taaagcttgc	144600
tgagcaaaa	taagggaaca	aggttgagag	ccctagttaag	cgaggctcta	aaaagcacag	144660
ctagcttgag	atgggtgggc	ttctctgagt	gctgtctaaa	tgcgctaaac	tgaggtgatt	144720
actctgaggt	aagcaaaagc	gggtctgagc	caaaaatgaag	tagactgtaa	tgaactggaa	144780
tgagctgggc	cgctaagcta	aactaggtcg	gcttaaccga	gatgagccaa	actggaatga	144840
acttcattaa	tctaggttga	atagagctaa	actctactgc	ctacactgga	ctgttctgag	144900
ctgagatgag	ctggggtgag	ctcagctatg	ctacgctgtg	ttggggtgag	ctgatctgaa	144960
atgagatact	ctggagtagc	tgagatgggg	tgagatgggg	tgagctgagc	tgggctgagc	145020

tagactgagc	ttagctaggg	ttagctgagc	tgggtgagct	gagctaagct	ggggtgagct	145080
gagctgagct	tggctgagct	aggggtgagct	gggctgagct	ggggtgagct	gagctgagct	145140
ggggtgagct	gggatgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	145200
gagctggggt	gagctgggct	gagctgggct	gagctgggct	gagctggggt	gagctgagct	145260
ggggtgagct	gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	ggggtgagct	145320
gagctggggt	gagctgagct	gagctggggt	gagctgagct	ggggtgagct	gagctgagct	145380
ggggtgagct	gagctgagct	gagctgagct	gagctggggt	gagctgagct	gagctgagct	145440
ggggtgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	gagctggggt	145500
gagctgggct	gagctggggt	gagctgagct	gagctgagct	gagctggggt	gagctgagct	145560
gagctggggt	gagctgagct	ggggtgagct	gggctgagct	gagctgagct	gagctgagct	145620
gagctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	145680
ggggtgagct	gagctgagct	gggctgagct	ggggtgagct	gggctgagct	gggctgagct	145740
gggctgagct	ggggtgagct	gagctggggt	gagctgagct	gagctgggct	gagctgagct	145800
gagctggggt	gagctgagct	gagctggggt	gagctgagct	gagctgagct	ggggtgagct	145860
gagctgagct	gggctgagca	gggctgagct	ggggtgagct	gagctgagct	ggggtgagct	145920
gggctgagct	gggctgagct	gagctgagct	gggctgagct	gggctgagct	gggctgagct	145980
gggctgagct	gggctgagct	ggggtgagct	gagctggggt	gagctggggt	gagctgagct	146040
ggggtgagct	gagctggggt	gagctgagct	gagctggggt	gagctgagct	ggggtgagct	146100
gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	gagctagggt	gaactgggct	146160
gggtgagctg	gagtgagctg	agctgaggtg	aactggggtg	agccgggatg	ttttgagttg	146220
agctggggta	agatgagctg	aactggggta	aactgggatg	agctgtggtg	agcggagctg	146280
gattgaactg	agctgtgtga	gctgagctgg	ggctagctga	gcaagagtga	gtagagctgg	146340
ctggccagaa	ccagaatcaa	ttaggctaag	tgagccagat	tgtgctggga	tcagctgtac	146400
tcagatgagc	tgggatgagg	taggctggga	tgagctgggc	tagctgacat	ggattatgtg	146460
aggctgagct	agcatgggct	ggcctagctg	atgagctaag	cttgaatgag	cggggctgag	146520
ctggactcag	atgtgctaga	ctgagctgta	ctggatgac	tggtgtaggg	tgatctggac	146580
tcaactgggc	tggctgatgg	gatgcccag	gttgaactag	gctcagataa	gttaggctga	146640
gtagggcctg	gttgagatgg	ttcgggatga	gctgggaaaa	gatggactcg	gaccatgaac	146700
tgggctgagc	tgggttggga	gaccatgaat	tgagctgaac	tgagtgcagc	tgggataaac	146760
tgggttgagc	taagaataga	ctacctgaat	tgtgccaaac	tcggctggga	tcaattggaa	146820
attatcagga	tttagatgag	ccggactaaa	ctatgctgag	ctggactggg	tggatgtggt	146880
gaactggcct	gctgtgggc	tggcatagct	gagttgaact	taaataggga	aggctgagca	146940
aggctgacct	cttgcatag	agctgaactt	tagcttagcc	tgagctggac	cagcctgagc	147000
tgagtaggtc	taaaactgag	taaaaaatcaa	cagggataat	ttaacagcta	atttaacaag	147060
cctgagggtc	gagattgaat	gagcagagct	gggatgaact	gaatgagttt	caccaggcct	147120
ggaccagtta	ggctaggacc	tcgttctata	gaggcagact	gtgtgctaca	gtggagtttc	147180
aagatgattc	catgagtcct	ccccgcccc	aacataaccc	accttccctc	tacctacac	147240
gcctgtctgg	tgtgtaaatc	ccagctttgt	gtgctgatac	agaagcctga	gcccccccc	147300
cacctccacc	tacctattac	tttgggatga	gaatagttct	cccagccagt	gtctcagagg	147360
gaagccaagc	aggacaggcc	caaggctact	tgagaagcca	ggatctaggc	ctctccctga	147420
gaacgggtgt	tcatgcccct	agagttggct	gaagggccag	atccacctac	tctagaggca	147480
tctctccctg	tctgtgaagg	cttccaaagt	cagttccctg	tggctagaag	gcagctccat	147540
agccctgctg	cagtttcgtc	ctgtatacca	gggttcacct	ctaccatata	tagccctgcc	147600
tgccttaaga	gtagcaacaa	ggaaatagca	gggtgtagag	ggatctcctg	tctgacaggga	147660
ggcaagaaga	cagattctta	ccctccatt	tctcttttat	ccctctctgg	tcctcagaga	147720
gtcagtcctt	cccaaagtgc	ttccccctcg	tctcctgcga	gagccccctg	tctgataaga	147780
atctggtggc	catgggctgc	ctggccccgg	acttcttgcc	cagcaccatt	tccttcacct	147840
ggaactacca	gaacaacact	gaagtcaccc	agggatatcag	aaccttccca	acactgagga	147900
cagggggcaa	gtacctagcc	acctcgcagg	tgttgctgtc	tcccaagagc	atccttgaag	147960
gttcagatga	atacctggta	tgcaaaatcc	actacggagg	caaaaacaaa	gatctgcatg	148020
tgcccatctc	aggtaagaac	caaaccctcc	cagcaggggt	gcccaggccc	aggcatggcc	148080
cagagggagc	agcgggggtg	ggcttaggcc	aagctgagct	cacacctga	cctttctattc	148140
cagctgtcgc	agagatgaac	cccaatgtaa	atgtgttcgt	cccaccacgg	gatggctctc	148200
ctggccctgc	accacgcaag	tctaaactca	tctgcgaggc	cacgaacttc	actccaaaac	148260
cgatcacagt	atcctggcta	aaggatggga	agctcgtgga	atctggcttc	accacagatc	148320
cggtgaccat	cgagaacaaa	ggatccacac	cccaaacctc	caaggtcata	agcacactta	148380
ccatctctga	aatcgactgg	ctgaacctga	atgtgtacac	ctgccgtgtg	gatcacaggg	148440
gtctcactct	cttgaagaac	gtgtcctcca	catgtgctgc	cagtgagtgg	cctgggctaa	148500

gcccaatgcc	tagccctccc	agattagggg	agtcctccta	caattatggc	caatgccacc	148560
cagacatggt	catttgctcc	ttgaactttg	gctccccaga	gtggccaagg	acaagaatga	148620
gcaataggca	gtagaggggt	gagaatcagc	tggaaggacc	agcatcttcc	cttaagtagg	148680
tttgggggat	ggagactaag	cttttttcca	acttcacaac	tagatatgtc	ataacctgac	148740
acagtgttct	cttgactgca	ggtcctccca	cagacatcct	aaccttcacc	atccccccct	148800
cctttgcoga	catcttcttc	agcaagtccg	ctaacctgac	ctgtctgggc	tcaaacctgg	148860
caacctatga	aaccttgaat	atctcctggg	cttctcaaag	tggtgaacca	ctggaaacca	148920
aaattaaaaat	catggaaagc	cctcccaatg	gcaccttcag	tgctaagggt	gtggctagtg	148980
tttgtgtgga	agactggaat	aacaggaagg	aatttgtgcg	tactgtgact	cacagggatc	149040
tgctttcacc	acagaagaaa	ttcatctcaa	aacctaatgg	taggtatccc	cccttccctt	149100
ccctccaat	tgcaggacc	ttcctgtacc	tcactagggg	ggcaggctct	cttccaccct	149160
atcctcacta	ctgtcttcat	ttacagaggt	gcacaaacat	ccacctgctg	tgtacctgct	149220
gccaccagct	cgtgagcaac	tgaacctgag	ggagtcagcc	acagtcacct	gcctggtgaa	149280
gggcttctct	cctgcagaca	tcagtgtgca	gtggcttcag	agagggcaac	tcttgcccca	149340
agagaagtat	gtgaccagtg	ccccgatgcc	agagcctggg	gccccaggct	tctactttac	149400
ccacagcatc	ctgactgtga	cagaggagga	atggaaactc	ggagagacct	atacctgtgt	149460
tgtaggccac	gaggccctgc	cacacctggt	gaccgagagg	accgtggaca	agtccactgg	149520
taaaccacaca	ctgtacaatg	tctccctgat	catgtctgac	acaggcggca	cctgctattg	149580
accatgctag	cgtccaacca	ggcaggccct	gggtgtccag	ttgctctgtg	tatgcaaact	149640
aaccatgtca	gagtggagatg	ttgcatttta	taaaaattag	aaataaaaaa	aatccattca	149700
aacgtcactg	gttttgatta	tacaatgtct	atgcctgctg	agacagttgt	gttttgcttg	149760
ctctgcacac	acctgcata	cttgctcca	ccctggccct	tcctctacct	tgccagtctc	149820
ctccttgtgt	gtgaactcag	tcaggcttac	aacagacaga	gtatgaacat	gcgattcctc	149880
cagctacttc	tagatatatg	gtgaaagct	tgcatgcctg	caggctcgact	ctagaggatc	149940
cccgggtacc	gagctcgaat	tgcctctata	gtgagtcgta	ttacaattca	ctggccgtcg	150000
ttttacaacg	tctgtactgg	gaaaacctg	gcgttaccca	acttaatcgc	cttgacgcac	150060
atcccccttt	cgccagctgg	cgtaatagcg	aagaggcccg	caccgatcgc	ccttcccaac	150120
agttgcgcag	cctgaatggc	gaatggcgcc	tgatgcggta	ttttctcctt	acgcactctgt	150180
gcggtatttc	acaccgcata	tggtgcactc	tcagtacaat	ctgctctgat	gcgcgatagt	150240
taagccagcc	cgcacaccgc	ccaacaccgc	ctgacgcgaa	ccccttgc		150288

<210> 76

<211> 185159

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic

<400> 76

cgggcgcgct	taactatgcg	gcacagagc	agattgtact	gagagtgcac	catatgcggt	60
gtgaaatacc	gcacagatgc	gtaaggagaa	aataccgcac	caggcgccat	tcgccattca	120
ggctgcgcaa	ctgttgggaa	gggcgatcgg	tgccggcctc	ttcgctatta	cgccagctgg	180
cgaaaggggg	atgtgctgca	aggcgattaa	gttgggtaac	gccagggttt	tcccagtcac	240
gacgttgtaa	aacgacggcc	agtgaattgt	aatacgactc	actatagggc	gaattcgagc	300
tcgggtaccog	gggatcctct	agagtcgacc	tgacggcatg	caagctttcc	tctagactat	360
gttgctaagt	cttaagctta	tctctctgtt	gtcagactc	atctaggaat	ttcagaaatt	420
tctgttctag	catctcttcc	agcttttgtc	tccaacctc	attctcttct	ttcttttttt	480
ttttaaatta	tatgttctct	gtctttttta	aaaacttttt	aaaattaggt	atztatgtca	540
tttaccttcc	caatgctatc	ccaaaagtcc	cacccacgct	ccccaaccca	ctatcccacc	600
cacccactcc	cacttcttgg	ccctggcatt	cacagtgtae	tgagacatat	aaagtttgca	660
caaccaatgg	gcctctcttt	ccactgatgg	ccgactaggc	catcttctga	tacatatgca	720
gctagagaca	cgagattctg	ggggtactgg	ttagttcata	ttgttgttcc	acctataggg	780
ttgcagatcc	ttttagctcc	ttgggtactt	tctctagctc	ctccattggg	ggccctgtga	840
tccatccaat	agctgactgt	gagcatccac	ttctgtgttt	gctaggcccc	agatagtctc	900
acaagagaca	gctatatctg	ggtcctttca	gcaaaatctt	gctagtgtat	gcaacgggtg	960

cagagtttgg	aagctgatta	tgggatggat	ccccggatat	ggcattctct	agttggttca	1020
tccttttgtc	tcagctccaa	actttgtctc	tgtaactcct	tcocatgggtg	ttttgttccc	1080
agttctaagg	aggggcaaa	tatccacact	ttggctctca	ttcttcttga	gtttcatgtg	1140
ttttgcaa	tgtatcttat	atcttgggta	ttctaagttt	ctgggcta	atccacttat	1200
cagtga	acattgtgtg	agttcttttg	tgattgggtt	acctcactca	gtatgatgcc	1260
ctccaggtcc	atccatttgc	ctaggaat	cataaattca	ttcttttta	tagctcagta	1320
gtactccatt	gtgtagatgt	accacatttt	ctgtattcat	tcctctgttg	aggggcatct	1380
gggttctttc	cagcttctgg	ctattataaa	taaggctgct	atgaacatag	tgagagcatgt	1440
gaccttctta	ccggttggga	catcttctgg	atatatgccc	aggagaggta	ttgctggatc	1500
ttccggtagt	actatgtcca	atcttctgag	gaactgacaa	actgatttcc	agagtggtta	1560
gtaccagctt	gcaatcccac	caacaatgag	aggagtgttc	gtcttctccc	acatcctcac	1620
cagcatgctg	ctgtcacctg	aatttttgat	gcttagccat	tcctgactgg	gtgaggtgga	1680
atctcagggt	tgttttgatt	tgtatttccc	tgatgattaa	ggatgctgaa	cattttctca	1740
ggtgcttctc	agccattcag	tattcttttag	gtgagaattc	tttgtttagc	tctaagcccc	1800
atctttttta	tgggtttatt	tgattttctg	gagtcacact	tccttgagttt	tttttcccat	1860
tttttattac	ataatttctc	caattacatt	tccaatgcta	tcccaaaagt	cccccatacc	1920
ctcccccccc	caattcccta	cccacccctt	cccatttttt	tggccctggc	gttcccctgt	1980
actggggcat	ataaagtttg	tgtgtccaat	gggcttctct	ttccagtgat	ggctgactag	2040
gccatctttt	gatacatatg	cagctagagt	caagagctcc	cgggtactgg	ttagttcata	2100
atgttgttcc	acctataggg	ttgcagatcc	ctttagcttc	ttgggtactt	tcctagctc	2160
ctccattggg	agccctgtga	tcocatcaat	agctgactgt	gagcatccac	ttctgtgttt	2220
gctaggcccc	ggcatagtct	cacaagagac	agctacatct	gggtcctttt	gataaaatct	2280
tgtatgtgta	tgcaagggtg	tcagcatttg	gaagctgatt	atggggtgga	tccttgata	2340
tggcagctct	tacatgggtc	atccttttgt	ctcagctcca	aactttgtct	ctgtaacttc	2400
ttccatgagt	gttttgttcc	caattctaag	gaggggcata	gtgtccacac	ttcattcttc	2460
attcttcttg	agtttcatgt	gttttagcaa	ttgtatctta	tatcttgggt	atcctaggtt	2520
ttgggcta	atccacttat	cagtga	atattgtgtg	agtlcctttg	taaagtgtgt	2580
acctcactca	ggatgacgcc	ctccaggtcc	atccatttgg	ctaggaat	cataaattca	2640
ttctttttta	tagctgagta	gtactccatt	gtgtaa	accacatttt	ctgtactcat	2700
tcctctgttg	aggggcatct	gggttcttta	taggttctgg	ctattataaa	taagggtgct	2760
atgaacatag	tgagagcatgt	gtccttctta	ccggttgaga	catcttctgg	atatatgccc	2820
aggcgaggta	ttgtgtggtc	ctccggtagt	actatgtcca	atcttctgag	gaactgccag	2880
actgatttcc	agagtgggtg	tacaagcctg	cactctcacc	aacaatggag	gagtgttctc	2940
ctttctccac	atccacgcc	gcactctgtg	tcacctgaat	ttttgatctt	agccattctg	3000
actggtgtga	ggtggaatct	cagggttgtt	ttgatttgca	tttccctgat	gattaaggat	3060
gttgaacatt	tttttcagg	gcttctctgc	cattcggtat	tcctcaggtg	agaattcttt	3120
gttcagttct	gagccccatt	ttttaatggg	gttatttgat	tttctgaagt	ccaccttctt	3180
gagttcttta	tatatgttgg	atattagtc	cctatctgat	ttacgatagg	taaagatcct	3240
ttcccaatct	gttgggtggc	tttttctctt	attgacggtg	tcctttgccc	tgcagaaact	3300
ttggagttag	ttctttatat	atattggata	ttagtccctt	atctgattta	ggataggtaa	3360
agatcctttc	ccaatctgtt	ggtgaccttt	ttgtcttatt	gacggtgtct	tttgcccttgc	3420
agaatccttg	caattttatg	aggctgcatt	tgtcaattct	cgatcttaca	gcacaagtca	3480
ttgtctgtct	gttcaggaa	ttttctctct	tgcccatatc	ttcgaggctt	ttacctgctt	3540
tcctctctat	atgtttgagt	gtctctgggt	taatgtggag	ttccttaatc	cacttagatt	3600
tgaccttagt	acaaggagat	aggaatggat	caattcgcat	tcctctacat	gataaccgct	3660
agttgtgcca	gcaccatttg	ttgataatgc	tgtctttttt	ccactggatg	gtttttgctc	3720
ccttgtctaa	gatcaagtga	ccataggtgt	gtgggttcat	ttctgggtct	tcaattctat	3780
ttcattgggtc	tacttgtctg	ttgttatacc	agtaccatgc	agattttatc	acaattgctc	3840
tgtagtagag	tttttaggtca	ggcatgggtga	ttacaccaga	ggtttttttt	atccttgagc	3900
agagtttttg	ctatcctagg	ttttgtgtta	tttcagatga	atttgcagat	tgccttttcc	3960
agttcgttga	agaattgagt	tggaaat	atggggattg	cattgaatct	gtagattgct	4020
ttggcaatat	agccattttt	actatattga	tcctgccaat	ccatgagcat	gggagatctt	4080
tcactcttct	cacaatttct	tttaatttct	ttctcagaga	cttgaagttc	ttgtcataca	4140
gatctttcac	ttccttagtt	agagtcacgc	taaggatatt	tatattat	gtgactattg	4200
agaagggtgt	tgtttcccta	atctcttct	cagcctgttt	atcctttgtg	tacagaaaag	4260
ccattgactt	gtgttagtta	atctcatatc	cagctacttc	actgaagcgg	tttatcaggt	4320
ttaggagttc	tcgtgtgtaa	tttttaggg	cactcatata	tactatcata	tcactctgcaa	4380
aaagtgacat	tttgacttct	tcctttccaa	tttgtatccc	cttgatctcc	ttttgttgtc	4440

gaattgctct	ggcaaggaca	tcaagtacta	tattgaatag	gtagggagaa	aatcggcacc	4500
cttgcttagt	cctgattttt	agtaggattg	cttcaagttt	ctcaccattt	actttgatgt	4560
tggctactgg	tttgctgttg	aatgcttttt	atcatgttta	ggtatgggcc	ttgaattcct	4620
gatctttcca	agacttttat	catgaaaggg	tgttggattt	tgtcaaagtc	tttctccagc	4680
ctttcattct	gaggttgtgt	ctgtcttttt	cctgagatg	ggtttctctg	aagcagcaaa	4740
atgttgggtc	ctgtttgtgt	agcccgtctg	ttattctatg	tctttttatt	ggggagtiga	4800
gtccattgat	attaagatat	attaaggaaa	agtaattggt	gcttcctatt	atttttgttt	4860
ttaaagttgg	cattctgttc	ttgtggctgt	cttcttttag	gtttggtgaa	ggattccttt	4920
cttgcttttt	ctaggtcgtg	gtttccatcc	ttgtattcat	ttttttctg	ttattatcct	4980
ttgaaggact	ggattcatgg	atagataatg	tgtgaatttg	gttttgtctt	ggaatacatt	5040
tgtttctcca	tctacggtaa	ttgagagttt	ggctgggtat	agtagcctgg	gctggcaatt	5100
gtgttgtctt	agtgtctata	taatgtctgt	ccaggatctt	ctggctttca	tagtgtgtgg	5160
tgaaaaaatc	ggtgtaattc	tgataggctt	gcctttatat	gttacttgaa	tttttcactt	5220
actgctttta	atattctttc	tttatttagt	gcatttggtg	ttctgattat	tatgtgtcgg	5280
gaggaatttc	ttttctggtc	cagtctatct	ggagtctctg	aggcttcttg	tatgttcacg	5340
ggcatctctt	tcttttaggtt	tgggaagttt	tcttctataa	ttttgttgaa	gataatttgc	5400
ggcccttcaa	gttgaaaatg	ttcattctca	tctactccta	ttattcgtat	ggttggtctt	5460
ctcatttgtg	cctggatttc	ctggatgttt	tgagtttaga	tctttttgca	ttttccattt	5520
tctttgattg	ttgtgcagat	gttctctatg	gaatcttctg	cacctgatat	tctctcttcc	5580
atctcttgta	gtctgttgct	gatgctcgca	tctatgggtc	cagatttctt	tcttaggggt	5640
tctatctcca	gtgttgcccc	actttgggtt	ttctgtatag	tgtctacttc	cctttttaga	5700
tctagtatgg	ttttgttcat	ttccatcacc	tgtttgggtg	tgttttctctg	tttttcttta	5760
aagacttgca	actcttttagc	agagttctcc	tgtatttaag	tgagttatta	aagtccttct	5820
tgatgtccag	taccataatt	gtgagatatg	cctttaaatc	caagtctagg	tttttgggtg	5880
tgttgggggtg	ccctggactg	gctgagttgg	gagtgtctga	ttctgatgat	ggtgagtggt	5940
cctgggtttct	gctagtaaga	ttcttacatc	tgcctttctg	catctggtaa	tctctggagt	6000
cagttgttaa	agttgtctct	ggttaaagct	tgttctctct	gtgattctgt	tattctcttc	6060
cagcagacct	gggagactag	ctctttctctg	agtttctagtg	gtcagagcac	tctctgcagg	6120
caggattttcc	tcttttcaggg	aaggtgcaca	gatatctggg	gttcagattt	gcctcctggc	6180
agaagatgat	ggcctgaaac	aggacctgtc	ccagaagctg	ttagcttctg	tagtcaaac	6240
tgtcacctgt	gcagactagt	ctcgggtgag	tccgggaacc	aagatgtctc	ctgcagatgc	6300
tctggcattc	ccttctgggc	cgggtgatca	cctctctctc	ggcagggaag	gtgccctggg	6360
gtctggaacc	cgaaaagggg	gctgcctcag	aagctctgtg	gctactgcct	gtcccagaag	6420
ctgttagctt	ctgtagtcca	cactctcacc	tgtgcagact	agtcttgggtg	gagtctggga	6480
accaagatgt	ctcccgaga	tgtccagcc	attctctctc	ttctgttgct	tattttgacc	6540
tatgaaatcc	tggacatata	gttctagtgt	tgcttgtaat	ctcttttcta	agccaaggaa	6600
ttttttttat	ctagggcaca	atcttttgag	aagacatatt	aatcaagag	aataaatatt	6660
gcaagaccaa	taaataataa	ggtatctatt	ttcttttaaat	ccatcgctgt	caaaccattc	6720
aaaatatcct	cacataaagc	caaaaagata	tttatttgtgt	ttcccatctt	agttgagttc	6780
aagtcaatat	tttggtgcca	ttttgttgca	gtaaatctct	aacacaaata	tgcctgggca	6840
atgaaaacac	aactcagtta	atatgaatac	agattgttca	gatctaccac	tacactacca	6900
tcttcttcat	ctaagagacc	ccttagaact	tgcagtttct	ccaggccttg	tgttcttgcg	6960
ctgcttttct	tcttcttctc	cctctacatt	gcttctctca	taaaccctact	tctttttttc	7020
cctccttctg	ttccatcttc	ccttttatct	gcccaatcat	tagctctcct	ttattttaca	7080
aattaagggtg	tgaagccggt	ttctaggaaa	tcacctgagt	gctgacttgt	tccttgttca	7140
gagccacgca	caggagaaca	gaattaacat	caaataataat	tatcccagag	gctatccaca	7200
acacgtgcat	cctataagat	caccacggac	taatgctggg	cttcaattac	aacataaaca	7260
acaaaaaccc	cacatatatg	tggaaacaaa	tccaactata	caaagaatca	atgaaaccag	7320
gagcttggtc	tttgagaaaa	atcaacaaga	tagataaaac	cttagccaga	ctaaccagag	7380
ggcacagaga	cagtatccaa	attaataaag	tcagaaatga	aaggaagaca	taacaatgaa	7440
atatacttta	aaataattaa	tctgtttgta	gactatttagc	agttgaaaaat	attaaaaatca	7500
tgttctacaa	acgtggaatt	attattgata	attttctcac	tgtgcttgaa	attagcattt	7560
tcttaatggt	taacttcaaa	gagtttttgc	tattttgaaa	tattaaacat	atacttactg	7620
ataaaaataat	ttccctccta	acaacactga	taatottttt	ttaagtaaac	tgattattag	7680
acaatgtaca	cagatatata	atgtgtttta	aatactctcc	cactgtcagg	tggtatcata	7740
tagggccttt	gaatatattt	ttaaatgtat	tatttgtaat	attttatggg	ctctcctatg	7800
cttattttctg	aaagaatatt	ttgtatgttt	tgaacaacat	tagtatttaa	cattagatat	7860
aggatcctca	gttatggata	gtattaaata	ttcattaatg	atatttttaa	ggtataaaag	7920

gatatgaata	taaaagttta	acaaatttta	tgtattattt	gattctaaaa	atactcaata	7980
ttattaatat	gtttgatgtt	taaaatgcat	ttaaataata	aaaacattta	aaaaaataaa	8040
atcaagaaat	gaggttotaa	gcagaggtca	aggaaaatga	ggaatagaaa	aatagtaaaa	8100
atcaatatgt	ccattttatc	aaggaaagct	cctacataga	cattgcacca	gattagcaaa	8160
tattatggtc	ctcatattag	tttaagttag	gagactatgc	ttatgttata	tattttacatt	8220
ctaaggagcc	tagacatttg	tgaatggatt	acattataag	aggaggatgt	ctacttaagt	8280
aggcatgaac	gcctgtgcat	tgcaccctat	gagttccatc	agcattccat	gattggagta	8340
tgaagaacag	cattatagac	attacccaga	accttagtgg	ttctagaatg	ccaagataaa	8400
acaatctaac	cttctggata	gtagggataa	atgttcctat	atcatcagaa	ttcactggtg	8460
ccttgaggat	gttaccctgc	taactgacaa	ttcacaggac	atcacatgga	ttctgataag	8520
ttgcagaaaa	gaggagatgc	attcaattgg	tcctctctct	tctaagctgc	aatattaggt	8580
gcatccaatt	tgtgaacttc	aatttagatt	acaatagaca	tgaataatct	gaattcatgt	8640
agtacatatt	tttgttttta	tatgagttac	cattgttcag	aaaattaaat	acacatgata	8700
acatatctct	acatagtgtc	gttagttttt	cacatctctg	ggacaatatt	ccaaatatct	8760
ccttcattag	tgaataatct	aactactgta	aagcttagct	aacatgcctt	tgcaggaata	8820
agaacatcct	ggattgaaag	ctacacaggg	agatgtaaaa	ctttctaagc	acacacattc	8880
tccatccatt	aggatcatgg	tccatgagat	tttctctctt	ctcttcttcc	cattaaatgc	8940
atgtacatgc	aggttgggaa	acagattgtg	ttgcagaata	catttgcttg	atttccactt	9000
ccttctcaat	gcaaataatt	ttgaagtgtt	aattttgctg	tgagtaccac	agtggttctt	9060
gctctttctg	ttgactctct	tctgtgaatg	ttccaggaat	tcacacatgg	acacacgtgg	9120
ggctgcctct	gagctccaga	ctcactgttg	tcctctctgc	ctcagctgct	ctggcccagg	9180
cacagcctcg	tgaattcaac	aaagaccctg	atctctcttg	tttacacctc	attacaaatg	9240
ggaactgtta	gagggtggac	caactgcatt	tccatgagga	aagcacatga	gtttgagagg	9300
gtcgttgatg	ataaggtaga	aacaacttta	attcatagge	tgagatatca	gtcatcacct	9360
ccagataaac	aagagccatt	tcttctctga	tctgagccct	gtaagcacac	tagctttagg	9420
aatatgttac	tgtgaagtc	agattgggca	acttcatagt	atacaataga	aaatctacct	9480
gcagatgagt	tcagaaccag	cagggggcac	aatggggcca	agaatcccta	gcagagagat	9540
gtggtgtgtg	tgcaggggac	tctgcctcct	ctgtggtttc	ctttcttaac	ttacatgtac	9600
ctgtagtgat	tgacatgtaa	cgtttccacg	ctcaaacact	gtgaagatac	tttgctaaac	9660
acttcaaaga	tttatgtttt	cttgatgtgt	gcattgtgtg	attctttttt	gttttttagac	9720
acagggtttc	tctgtgtagt	cctggctgcc	ctggaaactc	ctctgtagac	caggctggcc	9780
tcgaactcag	aaatctgcct	gcttctgcct	cccaagtgtc	gaagttaaag	acatgtgcca	9840
ccattgcctg	gcatgtgtg	tattcttgat	gcactcttct	gttgacagat	acacagttta	9900
tttccataat	ttattttatt	tgatgggtgt	gcaataatca	cttatgtaca	aatgtttctg	9960
aagtatatatt	agttttggtc	atttgggtga	ttattttttt	ctttctagta	tatagcattt	10020
tggaaaggta	gatattaatt	gtatgtatgg	gaaggaggct	gtaaattcta	ataacttagc	10080
tgccttttgaa	atttgtctct	aattctatca	tccttctaac	caccttaaat	ccatctatta	10140
gccttgtcac	aagttagcca	ctgtctcagg	ctgcaaatct	ttttatagat	taggtcgtga	10200
tgttacatcc	acagcctctg	cacaatgtct	aggggtggga	tatgggatga	attccctcag	10260
acagcattag	gacttggatc	tcagcagact	gattcttgac	ccaaatgtct	cttcttctct	10320
agcaggagta	agtccttata	taagatgtac	tctgtctatg	aatatgcaaa	tcaattgagt	10380
ctatggtggg	aaatataggg	atgtctacac	ccctcaaaaa	cttaagatca	ctgtcgtctt	10440
cacagtcaca	ggagtacaca	ggacatcacc	atgtgttggg	gctgtatcat	cctcttctct	10500
ttagcaacag	ctgcacgtaa	ggggcttaca	gtagcaggct	tgaggctctg	ccatacactc	10560
atgtgacaat	gacatccact	ctgtccttcc	cttcacaggt	gtgcactccc	aggtccagct	10620
gcagcagctt	ggggctgagc	tgggtgaggcc	tggggcctca	gtgaagattt	cctgcaaggc	10680
ttttggctac	accttcacaa	accatcatat	aaactgggtg	aagcagaggc	ctggacaggg	10740
cctggactgg	attggatata	ttaatcctta	taatgattat	actagctaca	gaaccagaag	10800
ttcaagggca	aggccacatt	gactgtagac	aaatcctcca	gcacagccta	tatggagctt	10860
agcagcctga	catctgagga	ctctgcagtc	tattactgtg	caagacacag	tgctacaaac	10920
acatcctgag	tgtgtcagaa	accttgagg	agaagcaagc	agagctggaa	tggagatgac	10980
agaaagatta	tcatttagac	ttgctcagaa	agagaaattt	tgaatgcca	tttattgcct	11040
cttccattaca	tactatagt	gcctgttttt	gttgacattt	tcaaactaat	ttccaaagtc	11100
actaccacaa	ttacaatca	cataaaaagc	aagcaaggat	aacattattt	tctgtgctta	11160
cttgccattt	atattcttgc	ttattctcat	ctcactgagg	tcatattggg	acattaaatt	11220
tctgggggtta	ctttttatta	aaaatttttc	attattcatt	cactttacat	ccttctagtc	11280
ttctctcac	acatgcccta	tcctttctct	ctctgagagg	atggagccct	ccctaccctc	11340
gtatcccttt	accaggcac	atcaagtgtc	tgcagtacta	ggaatattct	ctgtcaatgc	11400

tgccagacaa	ggcagacaag	ttaggggac	aggattcaca	ggaaggcaac	agcttgaggg	11460
acagccccc	ctgaagttat	tggtggattc	acatgaagac	tgagttgcac	atctgctaca	11520
tatattcagg	ggctctat	acagctcaag	tagactcttg	ttggtgggtt	agtctcttag	11580
aacccccagt	gtccagggtt	gttgactctg	tgggtcttcc	tttgaggttc	ctateccctc	11640
cagatccctc	agttctcttc	ccaactcttc	cataagacac	ccgtaggtcc	atccaatggt	11700
tggttttggg	ttttctgca	tctgcttcag	tcagctgctg	ggtggagcat	ctctgaggat	11760
aattatgaga	agctcttatg	tgcaagcata	acaggatata	attattagtg	tcagggactg	11820
gtgcttgggc	atgggatggg	tctcaagttt	ggtcagttat	ttggccattc	ccacagtctc	11880
tgataatctt	tgtccctgca	tttctttag	acaggaaaaa	tattgggttg	aaagttttgt	11940
gggtgggttg	ggtctctat	tgctccactg	ggcttcttct	tggatatagg	agtttgcttc	12000
ttcaggttcc	atattcccaa	agtagtgtgt	cacactaagg	tcactcccat	acagagggac	12060
actcattctc	ttggccagtc	tctgtccacc	ctgaggttcc	tcagaggtcc	tgaatcatac	12120
agaactgcat	gtgtgcaacc	acacagaaca	aggctatcta	tcagaggcct	accataccag	12180
gaccatcaag	gttcaacctt	ctcccaatac	tgactacaaa	aagaacatca	aggaccaatg	12240
cagtctatat	ggataaacac	acttgaaaga	acacaaacaa	gattgagggc	aacatgacac	12300
ctccaaagca	tacctaacgg	agtacagcat	gccctggata	tcctaacaca	atcaaaacac	12360
aagaaagtta	ccttaaattcc	agtcttataa	agggtgatga	ggccttttaa	taggaaatga	12420
attaatcctt	aggataatac	aggacaatac	attcgaacag	atagaggtct	ttaggaggaa	12480
agaaataaat	ccctcaaaga	catacatgaa	aatacaatta	aacaggtgaa	agtaataact	12540
acaatggtgt	aagacctaaa	aatggaaata	gaagcaataa	agtaacacaa	acttagaatc	12600
ttgaaggtgg	aaaacctaga	gaacaggaat	actagatgca	aggatgatat	cttctagggtc	12660
catccatttg	cttgcaaat	ttatcatgtc	cttgctttta	atagttgaac	agtatttcat	12720
tgtttaaatg	aaccacatgt	tctgtctcca	ttctctggat	gaggggggtg	gcaagttttt	12780
ccacattctg	gctattacaa	atagagctgc	tatgaacctt	gtagaaaaca	tatcctgtgt	12840
atgggtggaga	gttttgaggt	atatcaccac	gagtgttata	gctgggtctt	catgtagaac	12900
tattccta	tttctgagaa	atcccaagtc	agatttctag	aatgggtgtt	caagtgttca	12960
ctccaaccat	caatggagga	ctgttttctt	tgccagcatg	tgctgtat	tgagtttttg	13020
atcctagcca	gttttatcct	gcatttcaca	cttagatatg	gactatggta	caggacagag	13080
agaaaccaac	cttctactca	ccaggatatt	ctacctgcta	ccaatttatt	tatttattta	13140
tttatttatt	tatttattta	tttatttatt	tatatttagag	aacaacacca	tgcaagtttag	13200
aagaagtact	aagacgtcag	tgatgttata	ctgtgcctaa	ccttgcat	tacaatctca	13260
gctttcaggt	aagacagtgc	atgactctta	tgcaagtgcca	actgttttct	gattgtattt	13320
atgggtctatt	gcctaggaat	gacctctctt	caataaaaca	tggtcaaaag	cccatggcct	13380
gagatgacag	agccctagtc	agaccctagt	tgtatttctg	aagtttagat	atcataatga	13440
cttataaata	cttatgttta	tacaatagat	tagagctgct	ctcagccatg	accaaggagc	13500
ttctgtgttc	aatgaataat	gattgatgca	gacattcgtg	agtgggtcaaa	gtgggtgagaa	13560
tgattagaga	gtctcagcc	acacaagcgt	taatgatatg	aactttccaa	tatatttaact	13620
gtattaatga	ataaatgcag	acatcatatg	agatctcatt	agtagttctt	aggtattgca	13680
tttttatata	caattatgca	tatcagtaca	ttatagtgtt	ttaaaggaaat	tgtctagcat	13740
aatagagaaa	aataggacag	tcaagaaaca	aaagagtaga	aattatgggt	gaaatatgca	13800
gtgtgaaata	tttcatgaa	aattttaacc	atatgtaaaa	ttgttatttt	tgtttttcag	13860
aatgagtttg	ctcattcttt	gacattttta	ttctgtgtgt	aaatatatca	ggatcatatg	13920
tatcccatc	tgatggctctg	acttccactg	ggaattttcca	atatactctt	tccaactaac	13980
tgaccagttt	cttttttctt	tattttctct	ctttctcggt	ttgttttgct	ttgttttggt	14040
tttcaagaca	gggtttctct	gtgtagctct	ggctgtcctg	gaactcactt	tgtagatcag	14100
gctggcttcg	agctcataaa	tccacttgcc	tctgcctcct	gagtgtctgg	attaaggag	14160
tggtctaccac	gcccggctag	tttttttttt	tcttataaga	acaacattta	ctggatgggtc	14220
acttacatat	tcagaggttc	agtcaattat	tatcaaggca	gaagcatggc	agtgggtccag	14280
tagtcatggc	actggggaag	gagctgagag	atctacatct	tgctccaaag	ggaaagagga	14340
atagtctgac	ttccatgtgt	ttcagaggag	ggtttcattt	cccaccccca	cagtgcacac	14400
cttctcccaa	cacggccaca	cctcctaata	ttgccactct	tggatcaagc	atattcacac	14460
cacaaaggaa	agtttagaga	taaacattaa	gaaaattaat	gaagtcattt	tattttatat	14520
gctcaacatg	actagtactt	aaaaccataa	ttttacatgt	acaatatttc	atggcataac	14580
atatttttta	tatttttatt	agatatatttc	tttatttata	tttcaaatgt	gatacccttt	14640
ccccattccc	ctccaaaaat	ccccatagcc	ttccccctcat	agccagctcc	caaacccacc	14700
cactctctgt	ttctggctct	ggcatccccc	tatactgggg	cataaaacct	tcacaggacc	14760
aagtgcctct	tctccattga	tgcccaatta	ggccatcctc	tgctacatat	gcagctagag	14820
coatgagttc	caccatgtgt	tttctttgat	tggtgggtta	gttcaggga	gctctggggg	14880

tattgggttag	ttcatattgt	tctctctatg	gggctgcaaa	ccctttcagc	cccttgggta	14940
ttttttctag	ctccttcatt	ggggaccctg	tgctccatcc	aatggatgag	tgagcctcca	15000
cttttgtatt	tgtcaggaa	tggcagagtc	tctcaggaga	caattatata	aggctcctgt	15060
cagcaaaatc	tcgttggcat	ctgcaatagt	gtctgggttt	gggtggttgt	tatgggatgg	15120
atctctgggt	ggggcagctc	ctggattgtc	attcctttag	tctctgcttc	cacctttgtc	15180
tttgtaactc	catccatggg	tattttgttc	cccttccaaa	gaaggatcaa	aatatccaca	15240
ctttagtctt	ccttcttctt	gagtctcatg	tgtttttcaa	attgtatctt	gggtattctg	15300
agcttctagg	ctaatatcca	cttatcagtg	agtgattatc	atgtctgttc	ttttgtgatt	15360
gagttacctc	acttagcatg	atatacctcca	ggtctatcca	tttgtctaag	aatttcataa	15420
agtcattgtc	tttaatatgt	gcacgtactc	caattgtgta	aatgcaccac	atcttcttta	15480
tccattctct	tggtgaggga	cacttgggtt	ttcccagctt	ctgggtatta	taaataaggc	15540
tgctatgaac	atagtggaa	atgtgtcctt	agtacatgtt	ggaacatctt	ctgggtatat	15600
gcccaggagt	ggtatgtctg	gatcttctgg	tggtactatg	tccaaaattt	tggggaaacca	15660
tcaaaactgat	ttcttgagtg	gttgtaacaag	cttgcaatcc	cacaccagca	atagtggaa	15720
gttcatcttt	gtccaagtcc	ttgccagcat	ctgctgtcac	ctgagttttt	gatcttagcc	15780
attcttactg	gtgtgaggtg	gaatcttggg	gttggtttga	tttgcatctc	cctgatgttt	15840
aagggttttg	aacattttta	gggtgcttatt	agacatttgg	tattctctcag	tttagaaatc	15900
tttggttttag	tctgtaccac	atctttgaat	agggttattt	gggtttctgg	agtctaactt	15960
cttgagttct	ttgtacatat	tggatattag	ccctctatca	gatttagaat	tagtaaggat	16020
ctttccccc	actgttggtg	gttcttttgt	cttattgaca	gtgtactttg	ccttagagaa	16080
gctttgcaat	tttatgaggt	cccatttgtc	aattcttgat	cttatagtac	aagccattgg	16140
tcttttgttc	aggaattttt	cccattgtgtc	catatgttca	aggcatttcc	ccactttctc	16200
cactacaagt	tttagtgtct	ctgggttttat	gtggaggtcc	ttgatccact	tagatttgag	16260
ctttgtacaa	ggagataaga	atggatagat	tcacattctt	ctacatgctc	tctgccagtt	16320
gagctagcac	catttgttga	aaatgtctgtc	ttttttttcc	cccactggat	ggtttttagc	16380
tcttttggcc	aagatcaagt	gaccattggg	gtgtgggttc	atttcttggg	cttcaattct	16440
agttcactga	cttacctgtt	tgctactgta	caaggaccat	gcagcttttt	tcacaattgc	16500
tctgtagtac	agcttgaggt	ctgggatggg	gattctacca	gagagattct	tttactgttg	16560
tgaataattt	ttgctatcat	aggataattt	tttatttcag	atgaattttac	aaattgtctt	16620
ttctaactct	gtgaacaatt	gagttggaat	tttgattgtg	attgctttga	atactcaaga	16680
tataattttac	aaaacacatg	aaacttaaca	aggactacta	aagtgcagat	acttcgatcc	16740
ttcttagaag	ggggaacaaa	atacccatag	atggagttac	agagacaaa	ttcggagcag	16800
agactatagg	aacgaccatc	cagaggtcca	ctcggggatc	catcatgtaa	acaaccaccc	16860
aaaacagaca	ctattgtgga	tgccaagaag	aacttgctga	caggagtctg	atatagctgt	16920
ctcttgagag	gctctgccag	ggcctcagaa	agtggaggct	cacagccatc	cattggatgg	16980
agcacagggg	ccccaatgaa	ggagctagag	aaagtactca	aggagctgaa	gggggttgca	17040
gccccatagg	aggaacaaca	atatgaacta	accagtaccc	ccagagctcc	ctgggactaa	17100
accaccaatc	aaagaaaaca	catggaggga	cttgaagctc	ttgctgcatt	tatagcagag	17160
gatggcctag	atggctatca	atgggaggag	aggccaatgg	tcctgggaag	gttccatgcc	17220
ccagtatagg	ggaatgccag	ggccaggaag	caggagtggg	tgggctgggg	atcagggagg	17280
gggagatgat	agggcatttt	cagtggggaa	actaggaaa	aggataacat	ttaaaatata	17340
aataaagaaa	atatctaat	aaaaaggatt	acctatgtgc	atgggagctc	atgagcagca	17400
ggggctactc	taaggccaat	aatccacata	gagcgatgag	ctgtgtgtga	acaggactct	17460
gtatcctctg	tggtttcctt	tcttaagtgt	attaactgat	ctgtccagct	ctgattgaca	17520
tgtgatgtct	ccatgctcaa	gcccagtaaa	gattctctgt	taaatacctt	acagacttat	17580
gtttacttgt	ttttatttgc	ttttcatatt	tttttaaaaa	gtcatacaat	gtatttctaat	17640
aactcattct	cccatctcca	atctatttct	agtttttctt	aactcatcca	accacacact	17700
ttttaattct	gataaagcac	ccccccccc	aaaaaaaaac	ccaaccaacc	aaaaaaaaaa	17760
aaagccaagg	aattttaaag	gggattgaaa	gcaaataaaa	actaaacaaa	aaagtaaaaa	17820
ctacacacac	acacacacac	acacacacac	acacacacac	acacacacac	tcacacacac	17880
acacacacac	cacacacaca	cacacccatg	caogaacaca	cacacacaca	cacacacaca	17940
cacacacaca	cacacacaca	cacacacatg	gaatccagta	aaaccacaac	tctttaccce	18000
tgatacacag	gaaaatataa	gtcaaacaaa	cagaatggaa	gaaggtggta	ttataaaaa	18060
gtctgcacaa	ataccattaa	gttcattttc	ttgttggtta	ccaactgcta	agcctgtctc	18120
ccttgattaa	ttgtgcttat	catcccttat	gaactccatt	ggaggacact	aatttttctt	18180
tctgtctcca	ggaattgaag	tgttcagaaa	ctctcagtag	ctttattttac	ctgcacaata	18240
cagcctctaa	tccaaccagt	gaaaattacc	acatgagaga	cttccaaatg	aaagaacagg	18300
taaagtgtgc	tactggcaag	cttagtaata	tcattgtaaa	gccttagaat	ttaatgacat	18360

atgtcatcct	ctgagggttaa	taaatccatt	ttggtgcata	tataccctga	actcaccact	18420
aacataatac	aacaattaaa	aaattccaac	atggatgcag	aggaatccct	gagggacatt	18480
tggtgatttg	tgagcacaat	ataattatct	tttggggggg	aaatgtctga	atgttaactc	18540
tttaccagtg	ataatctatt	ctattaatgt	gtacataggt	agcactaatt	aaaatcactg	18600
tggtatcagg	taatgaaaca	gaggaagtag	gatgctggga	aacagacttt	tggaaggtcc	18660
caagggaaac	cacagggacc	tagtggtgat	agattatggg	gagagtcctg	agagtgggtca	18720
tagattatag	catatctcat	atgcaattga	aaatttcaaa	gaatgaaaat	ccttatgaaa	18780
tatagaaata	acaactttac	ttatgtacat	atacttcata	gtacaatttt	tacactgtgc	18840
atatttctcc	tgtaacatct	ggttcctcct	attttccttt	attctcctag	acaatttcac	18900
tgatacaate	tcattgtttt	gtataaatag	ttgtatataa	ctattaaata	cataagctgt	18960
taatgagttc	tcattaatgt	ctgtgatttt	tttattgtct	taattaatac	tattatctct	19020
aattgcatcc	acattttcaa	aagcaatgta	aatltctttac	tcatttctgt	tcaaaaactt	19080
ctgttggtgt	atcattacca	tgcttagtg	ataaaaatcct	ttcttgacac	atctatagct	19140
attgctataa	tttaggttatt	gatgatctct	ctgcaataat	cattgatagg	taaaatatttt	19200
aagcactttt	acttttagtc	atttttagtga	gatttgaagt	agtatataac	ctgttggaaa	19260
ggcaaatatt	aattccatat	atgtgaaaga	agacgctaaa	actaaaaaca	ttagccactt	19320
ttagataatc	tctccttctt	cttcttcttc	ttcttctctt	tcttcttctt	cttcttcttc	19380
ttcttctctt	tcttcttctt	cttcttcttt	ttcttctctt	cttctccttc	tccttctcct	19440
tctccttctc	cttctcctct	tcctcctcct	tccttctctc	cttcttctct	tccttctctc	19500
cttcttctct	tccttctctc	cttcttctct	tccttctctc	cttcttctct	tccttctctc	19560
cttcttctct	tccttctctt	cttcttctct	ttcttctctt	cttcttctct	ttcttctctt	19620
cttcttctct	ttcttctctt	cttcttctct	ttcttctctt	cttctcctcc	tccttcttct	19680
tccttctcct	tccttctcct	cttctccttc	cttctccttt	cccttccctt	tccttctcct	19740
ctcaatctac	aatctgttaa	catattaaca	tgtcccagag	tagagcaaca	gactcaggtc	19800
aaacatctac	tgagaaatct	gcccatgtag	ttaacatcta	cagcatctgt	ctaggggtta	19860
caaaaagtct	atgggatata	attcctcaga	aaggaatagg	atttggacct	gagcatactg	19920
ctgcctaaca	catgaaatgg	cagttctctt	ccagctggac	taggtcctta	actaagaaat	19980
gcactgctca	tgaatatgca	aattacccaa	gtctatggca	gtaaaatacag	agatgtccac	20040
acctgaaga	caacctatgg	ccaatgtcct	ctccacagtc	cctgaagaca	ctgattctaa	20100
ctataacggg	cctaaggtag	cgagggatga	cagattctct	gttcagtgc	ctcagggtct	20160
gcctccacga	gaatcaccat	gtcctttctc	aagactgtgt	tctgtgcagt	gccctgtcag	20220
tggaatctct	gagagcatgc	ttccatgagc	ttgtgagtag	tatatctagt	aagccatggc	20280
tttgtgttaa	gggtgatgtt	ctacatatca	gttctctggc	ttataaatga	gggtgatgatt	20340
ctatgttctt	gtaacgtctc	ctcaactggg	tcctaagtct	ttcttctact	catctattcc	20400
tctaagggaat	gatcctgaaa	atcccatcac	aaactatagg	agatgggaac	catcaaaaaa	20460
cacagtgcac	aagaggtggg	aacgcacacg	ggttcaggaa	ccatatttta	aaaagatata	20520
gtaaataact	tcttaaaaaga	gatatagaca	aatctccatt	aatacggaga	ccagaggcct	20580
aaggctaaga	accaatgggtg	gctcaaggtc	tctgtctacc	cgaggagcaa	acgtagagca	20640
gtttctaattg	atttattttaa	aatatagaat	caaaagtacc	agtttgcaat	tttgaaagat	20700
ttattttcagc	aatgcaacaa	catcagggtg	tgccgagtc	aacacgtctt	atgtcccatg	20760
atataaacaa	aggccatcca	gaactgtgga	ctggagttct	acctgtctcc	ctaattgacat	20820
tcagattttt	tttccattct	ctttatctta	gaggagacag	ggggctaact	cattttactt	20880
gtccttttgt	tgttcttggc	aagaacgtaa	agcagcttgc	aagtcttcaa	acctaaatat	20940
cttagtaact	cctacacgag	tggaatgcc	aaagagcagt	gcaacaaaaga	ggaagttaa	21000
acgaccaaag	agtattctta	aatacactac	tggtcttagg	ttctgtttta	ttatgcgcct	21060
ttgaaccgga	ggggacccac	tgtctatgct	ccactgtgt	ccctcttctt	tgcactttgg	21120
agggtcccaa	ccaaaatggc	aatggcaatt	ccgacgattg	ttacacactc	ctctgaaatt	21180
gcatttttct	gggggtgcagt	cataacccaa	acgagataaa	cttccattgc	aagctcctcg	21240
atcacagaac	ttaccccttg	aacacggggt	accatgtctc	accaatccag	catctgctgt	21300
ttctgtccca	cgatgttcat	caagcccaaa	gcaggtaacc	ccagagataa	ccgattgatg	21360
gaatgaaaca	tgttcttgca	aaaatggaag	attggtgaca	ttggtacact	gcaaccttcc	21420
acacagcttg	tctgtatcag	cacaagcatt	gaatgtgagg	ctttcttctg	ctctagtaca	21480
atgcccaaat	cgaacacggt	gtttgtgat	gtcatagcac	ttaatattag	cattcttagc	21540
acttacacca	aagatttcca	tgcatgttat	gttgcgatca	gtgcagttac	ctttatagca	21600
gtaacccctct	tctgagcatg	gtgtcccatc	ttgcagataa	gtgtcatctg	ggcaaatgaa	21660
cttagagcca	ctacagtact	ctggaagatc	acatatgttc	tggaataggc	tgcagagtgt	21720
cccagaagga	ctgtaagtgc	aatttgcaca	gcataattct	ttatcacaaa	tgctaccagg	21780
tgtaaacctg	caatcatttc	cacagcaggg	atctgaataa	catgcctttt	gggagccaca	21840

gtcacactgc	tcattgttat	ctactttgaa	gtttccacaa	aacttataag	tcaatgatgt	21900
attataataa	acatgacggt	catagaaaag	acatggcatc	agatcaggag	tattaagtat	21960
gttgcttata	tctgcaagg	aacaattgct	gaaagcatct	gttaattgag	gatttttgaa	22020
catgatgcag	gtgttccctc	tctggcagat	acagtacccc	tcatcatgtt	ttaggcctaa	22080
actccttcca	acacgattgg	ttattataat	agataaaaa	aaaggatttc	gaccatgttg	22140
accaagacaa	attagggctg	agggagaaca	tatactctc	tcagctggat	taacagcatc	22200
atctcctggc	gaattcttgt	taattatagc	tcctgcatca	ggcctaaaa	gagcataaaa	22260
tactctctca	tagaaagtat	gagcctgccc	tcctggaact	cgaaaatctt	gtgaaaatgg	22320
atcagcctcg	gtatacacag	tcatgagaaa	gacatagtac	cgcatatgaa	gattggctag	22380
ataggtgtcc	attaaactaa	tgacttttaa	caaatactca	acagtagatg	aaagtttgtc	22440
acctccagaa	gcactatata	cagaatgggt	tgcttgaaag	tggcctttta	tagcagctgg	22500
atgtgtagcg	taattcttac	tagatagbct	gggagctcca	tctgcataatt	ccaatctgga	22560
ggaggagaaa	cctgtattat	ggctocagtg	cttccatgca	ttcataggcc	ctgtgtcatc	22620
agactcagat	actatctgag	aaacaagggt	ttcaaagctc	tgtgaatcat	tgaggggttt	22680
gatttcatag	gtaaggttat	ccaactttat	gacccctgac	agggccccc	aacaagtatc	22740
cacagtgaac	atggattgca	ggatccccct	caggtagcca	atatagtaac	aatctacagg	22800
aaaaaagggg	tactccatct	gtaaggctcc	ttgggtcatct	tgagttgtca	gcaacaagtg	22860
tctggggcaa	atgagtgctt	ttctccgcag	gtggatgata	tgtctctggc	cccgaataac	22920
caagctatac	gagagcagtc	tttgtgtctg	aagtcctttg	gtatggtaga	tctccttccg	22980
aggaataacc	acctccgatg	agatgtaacg	ccaagtggga	tggccttgag	aacaccagac	23040
tggaaaccagg	aggagcagcc	agagtgcata	tagcaagagg	aggaccctgg	ggaccacagg	23100
tctttccact	agcctcatgc	cccaggctcag	agataacatc	ctgggtggag	ctaactccct	23160
ctgctgtggc	cactgcctgg	tctagaaaat	actgacagag	gactaaaaac	ctcctcaggc	23220
tcccaacctc	agtgggtacc	cagacaactg	gagttaggta	acagtcactg	ggtgtggcag	23280
gaattgagtc	tgaatgtgtt	agctgaggtt	gaggttaaat	attgtcaaaa	gggatgtcta	23340
taaatgtgcc	tggacaagaa	aagtcagaag	cagcaaggag	tgtctctgac	aggtcgaatc	23400
ctttcttttc	tttttttgaa	gttcaaaaata	tcatttccac	gtgaatgtat	ttgggttcca	23460
gtgtgactct	gggtctcttt	ctaggagtca	atatttcttt	atatcttggc	tcatgttttt	23520
cacagtttgt	ctaacttctt	gttttgtttt	gttttgttgt	ttgtttgaaa	gttagaagta	23580
aatactgtct	atattagcct	tttagctata	aatgatttgt	tttatttctt	ctaactcatgt	23640
tttgtttgag	ttttggttaa	actattttaca	aatgagtttt	tttttctctt	ttgggtgttg	23700
ctcgaaagtt	tggagctttc	tgttaatat	gtgtgttgtt	ttctccaata	ttatgtacc	23760
tgagaattct	acctgggtac	ctgtgaactc	cagaattttt	aaaaattcca	tctcttggga	23820
acattatctc	tgaccccgct	tgaggccgaa	gtggctgtcc	ccctccaacc	tttagtatct	23880
ttctttctct	actattggga	tttcttcaag	caatcaggct	gatgggttct	cagcagtgag	23940
accagtagac	tgtcgggtat	aacgtcgaag	agtctgccac	acactccggg	ttcatcaaca	24000
gtgcttttgc	gtctcttact	ttttagaag	gaaatgcagc	ctctgagttt	tctccaagaa	24060
atcattgatg	aaagggtgaa	aagatgggtg	tcaccgggag	ttcatgacaa	gccctggctc	24120
agacacgtga	gcaaggctca	cagcccccata	gataggctgc	cctgcaacat	gtattttata	24180
gataggagaa	aaaaatgggt	agttggaggg	ttgatcaact	tacttctctt	caaacatata	24240
tatctcatct	aagtgtgcag	gggaaaactc	tgtagaacta	ctgggatacc	tgtcaccctc	24300
caggagcctc	atgaataagt	ctctgcttct	gctttagtag	catgagcatt	actgcaccct	24360
ataccctgag	agcttcttag	ggaagaggga	gggaagtact	tggccctgtt	ctggttaagg	24420
taagaggaga	taaatccctt	ctcattgatt	agggtagag	gggtcatgtg	ctctatcatt	24480
ggtgacccag	ttgggacatg	ggtttatacc	aaagtcatca	ctctgaggtt	ctgtgtacca	24540
ccaggctgaa	ctcccatatc	ctacatggac	ataggacaac	accaagcaga	aggaggtttt	24600
aggactaaac	tgaaggacag	agatgcggtt	tctaacaac	tagggagtgc	cagggccagc	24660
ctctctaaac	actataggac	actgtggagt	ctgggttaca	agagagatta	ctcaaggtcc	24720
ttagcactga	ttacagagca	tatctcagat	gccttctgct	gaccagatgt	atctttgcat	24780
aatctgccta	tccagattca	gaaaattgat	gccacatagc	caagtggact	ttcaggaaca	24840
gacgatttaa	aaacaggcag	agagatgtga	gagaaaggag	aaggagagag	agaaggagga	24900
gggagagaag	agagagggag	acggagaagg	aaagagggag	aaggagaagg	agagaagggg	24960
catggacaga	gggagggaca	gaaggagaga	ggagatagag	agggggataa	ggaagaagg	25020
agggagggag	agagagagaa	gcctaagtct	ttccatacct	gggtcccaat	acctcttata	25080
acccaagcac	atggtttcac	atatcacaat	gogggttggga	tatagataac	tgtaaatact	25140
tgtgaaaata	atggggctga	gatctggggt	tttcatgata	gtttcaaagt	caccgtactg	25200
actaaaacct	tccactggcc	catctccagc	ttcctaattc	gagggtatca	aatttccac	25260
taagtgtgtt	tagaaagatc	tccacctttt	tgccttgttc	ttccagtgc	ccacctacgt	25320

tctgggtctcc	cacatctgat	gtcttctcag	tgattctggc	cctgcctgct	ccacagctac	25380
aaaccccttc	ctataatgag	ctctgtgctg	agccatcatc	ctgaatcaat	ccaccttaag	25440
cagatgtttt	gcttattttt	cctgtgtcca	tactacagag	gaaaggtagg	catgtagaag	25500
ctgaagcatc	tcacctcatt	ccaagcacc	tcagtctcta	aatgtgcccc	cttgtttcca	25560
gaagtgcac	ctcaagcatc	ttttattcat	tcactcttaga	gggccacatg	tgctgtagtg	25620
ttataagatg	aaatttaaag	cattaattat	tcctaacaag	ccaattaaac	aagccaaaaa	25680
cattcatcag	tcattcccat	ggaacctctg	aagcatcttc	ctgctctaac	cttgggtttt	25740
ccagggctgc	tctgggacac	caggagctgt	cctgtctacc	agccatataa	aggcagacct	25800
atcagaatta	caccagaactt	ctcaccatag	actataaaaag	ccagaatatac	ctggacagat	25860
gttatacaga	aactaagaga	acacaaatgc	cagcccaggc	tactataccc	agcaaaactc	25920
tcaattacca	tcgatgaaga	aaccaagata	ttccattaca	agtccaaatt	tacacaatat	25980
ctttccataa	atccagccct	acaaaggata	gcagatggaa	aactccaaca	caggtaggaa	26040
aactaccccc	tagaaagagc	actaaagtaa	tcactctttca	acacactcaa	aagaagataa	26100
ccacacaaac	ataattccac	ctctaacaac	aaaaataaag	taggcaacaa	tcactattcc	26160
ttaatatctc	ttttaacatc	aatggactca	attctccaat	aaaaagacat	agactaacag	26220
actgaataca	taaacaggac	acagcatttt	gtgcataaaa	gcaaacacag	cgttactttt	26280
ttttttctaa	atgacatttt	ttattagata	ttgtctttat	tgacatttca	aatgttatcc	26340
cctttcctgg	tttaccctct	gaaatccctt	atctcctccc	cctccccctg	ctcaccaatc	26400
caccactctc	cacttccagg	ccttggaat	cccctatatt	tgggcataga	gccttcacag	26460
gaccaaggta	ctctccttgc	attgatgacc	aactagtcca	ttctctgcta	caaatgcagc	26520
tagatctatg	agtcaccaca	tgttttcttt	tggtgggtgt	ttcatgccag	ggagctcttg	26580
gagtactgat	tggttcatat	tggtgtcttc	cctatggggg	tacaaaacct	ttcaacttct	26640
tggtctcttt	ctctggctgc	ctcattgggg	accttggtgcg	aagtccaatg	gatgactgtg	26700
agcatccact	tctgtatttg	ccaggcactg	gcagagcctc	tcagaagaca	gctatatcaa	26760
gatcctggca	gcaagctctt	gttggtatcc	acaaaagtgt	ctgggtggtt	tctatgggat	26820
ggatccccaa	aggggcagtc	tctggatggg	cattccttca	gtctctgttc	cacactttgt	26880
ctctttaact	ccttccatga	ctattttatt	cctccctcta	agaaggaccg	aagtattcat	26940
actttggtct	tccttcttga	aattcatgtg	ttttgtgaat	tgtatctttg	atattccgaa	27000
cttctgggct	aatatccact	tatcagtggg	tgaatatcat	gtgtgttctt	atgtgattga	27060
gttacctcac	tcaggatgat	atcctccaga	accatccatt	tgtctaagaa	tttaatgaat	27120
tcattgtttt	taatagetga	ggagtactcc	attgtgtaaa	tgtaccacat	tttctgtacc	27180
cattgttctc	ttgagggaca	tctgggttct	ttaaagcttc	tggacattaa	atataaggct	27240
gctatggaaa	tagtggagaa	tgtgtcctta	ttacatgttg	gagcatcttc	tgggtatatg	27300
cccaggagtg	ctattgctgg	atcctctgat	agtactatgt	ccaattttct	gaggaaactgc	27360
caaactgatt	tacagagtgg	ttgtaccagc	ttgcaattcc	accagcaatg	gagaaatggt	27420
ccccttcttc	cacatctcca	ccaacatctg	ctgtcacctc	aatttggtct	tagtgattca	27480
gacaggtgtg	aggtggaata	tcagggttgt	ttggcatttc	cctgatgact	agtgatattg	27540
aaaaaaattt	taagtgtttc	tcagccattc	aglatcttcc	agttgagaat	tcactgttta	27600
gctctgtact	cagggtttttt	taataggggt	atttgggttt	ctggagtcta	acgtcttgaa	27660
ttctttctat	atattggata	ttagccctct	gtcatattta	ggattggtaa	agatctttcc	27720
caatatgttg	gctgcctttt	tgtgtccttt	gccttacaga	acctttttta	ttttatgagg	27780
tccatgttgc	taattcttca	ttttacagca	caagccattg	gtgttctgtt	caaaaatctt	27840
tccccctgaa	ccctatcttc	gaggatcttc	cccactttct	cctctataag	tttcagtgtc	27900
tctattattg	tgtctgaggg	gatcgcaccg	gtgaaacctc	aggaagtctc	tatactttct	27960
agagaatagg	aacttcggaa	taggaacttc	tctaggggct	gcaggctcgag	gtctgatgga	28020
attagaactt	ggcaaaaaca	tactgagaat	gaagtgtatg	tggaaacagag	gctgctgac	28080
tcgttcttca	ggctatgaaa	ctgacacatt	tggaaaccac	agtacttaga	accacaaaagt	28140
gggaatcaag	agaaaaacaa	tgatcccacg	agagatctat	agatctatag	atcatgagtg	28200
ggaggaatga	gctggccctt	aatttggttt	tgcttggttt	aattatgata	tccaactatg	28260
aaacattatc	ataaaagcaat	agtaaagagc	cttcagtaaa	gagcaggcat	ttatctaatac	28320
ccacccacac	cccacccccg	tagctccaat	ccttccattc	aaaatgtagg	tactctgttc	28380
tcaccccttc	taacaaagta	tgacaggaaa	aaotccattt	ttagtggaca	tctttattgt	28440
ttaatagttc	atcaacttct	gcagacttac	agcggatctt	cagaagaact	cgtcaagaag	28500
gcgatagaag	gcgatgcgct	gcgaatcggg	agcggcgata	ccgtaaagca	cgaggaaagc	28560
gtcagcccat	tcgcccgcac	gctcttcagc	aatatcacgg	gtagccaacg	ctatgtcctg	28620
atagcgggtc	gccacaccca	gccggccaca	gtcgatgaat	ccagaaaagc	ggccattttc	28680
caccatgata	ttcggaagc	aggcatcgcc	atgggtcacg	acgagatcct	cgccgtcggg	28740
catgcgcgcc	ttgagcctgg	cgaacagttc	ggctggcgcg	agccctgat	gctcttcgtc	28800

cagatcatcc	tgatcgacaa	gaccggcttc	catccgagta	cgtgctogct	cgatgcgatg	28860
tttcgcttgg	tggtcgaaatg	ggcaggtagc	cggatcaagc	gtatgcagcc	gccgcattgc	28920
atcagccatg	atggatactt	tctcggcagg	agcaagggtga	gatgacagga	gatcctgccc	28980
cggcacttgc	cccaatagca	gccagtcctt	tcccgccttca	gtgacaacgt	cgagcacagc	29040
tgcgcaagga	acgcccgtcg	tggccagcca	cgatagccgc	gctgcctcgt	cctgcagttc	29100
attcagggca	ccggacaggt	cggctcttgac	aaaaagaacc	gggcgccccct	gcgctgacag	29160
ccggaacacg	gcggcatcag	agcagccgat	tgtctgttgt	gcccagtcac	agccgaatag	29220
cctctccacc	caagcggccg	gagaacctgc	gtgcaatcca	tcttgttcaa	tcattggtgga	29280
tggtttagtt	cctcaccttg	togtattata	ctatgccgat	atactatgcc	gatgattaat	29340
tgtcaacaat	togagagacc	cgggttccca	atctagagct	cgacgtctaa	caaaaaagcc	29400
aaaaacggcc	agaatttagc	ggacaattta	ctagtctaac	actgaaaatt	acatattgac	29460
ccaaatgatt	acatttcaaa	aggtgcctaa	aaaacttcac	aaaacacact	cgccaacccc	29520
gagcgcatag	ttcaaaaaccg	gagcttcagc	tacttaagaa	gataggtaaa	taaaaccgac	29580
caaagaaact	gacgcctcac	ttatccctcc	cctcaccaga	ggtccggcgc	ctgtcgattc	29640
aggagagcct	accctaggcc	cgaacctctg	gtcctgcgac	ggagaaaagc	ctaccgcaca	29700
cctacccgca	ggtggcccca	ccctgcatta	taagccaaca	gaacgggtga	cgtcacgaca	29760
cgacgagggc	gcgcgctccc	aaagggtacg	gtgcaactgc	caacggcacc	gccataactg	29820
ccgccccgcg	aacagacgac	aaaccgagtt	ctccagtcag	tgacaaaact	cacgtcaggg	29880
tccccagatg	gtgccccagc	ccatctcacc	cgaataagag	ctttcccgca	ttagcgaagg	29940
cctcaagacc	ttgggttctt	gcgcgccacc	atgcccccca	ccttgtttca	acgacctcac	30000
agcccgcttc	acaagcgtct	tccattcaag	actcgggaac	agccgccatt	ttgctgcgct	30060
ccccccaacc	ccagttcag	ggcaaccttg	ctcgcggacc	cagactacag	cccttggcgg	30120
tctctccaca	cgtttccgtc	ccaccgagcg	gcccggcggc	cacgaaaagc	ccggccagcc	30180
cagcagcccg	ctactcacca	agtgcagatc	acagcgatcc	acaaacaaga	accgcgaccc	30240
aaatcccgcc	tgcgacggaa	ctagctgtgc	cacacccggc	gcgtccttat	ataatcatcg	30300
gcgttcaccg	ccccacggag	atccctccgc	agaatcgccg	agaagggact	acttttctct	30360
gcctgttccg	ctctctggaa	agaaaaccag	tgccctagag	tcacccaagt	cccgctcctaa	30420
aatgtccttc	tgtctgatact	ggggttctaa	ggccgagctc	tatgagcagc	gggcccgtgt	30480
cctgagcgtc	cgggcgggaag	gatcaggacg	ctcgtctgcg	ccttcgtctg	acgtggcagc	30540
gctcgccttg	aggagggggg	cgcgcggggg	aggcgccaaa	acccggcgcg	gaggcctcgg	30600
aggccagacg	cgcgagaagt	tccataactt	tctagagaat	aggaacttcg	gaataggaac	30660
ttcggtagcg	cgatcgcgat	gtgggaacgc	ttcagtggtc	aggaaccata	tgattttatt	30720
aaaatataga	atcaaaaagta	ccaattttgca	gttttgaaag	atttattcca	gtgtaagcat	30780
tagcaatgca	ccaacatcag	gtgattttct	aatccaacac	gtcttatgtc	ctcatgatat	30840
taaaaaaaaa	aaaaggccat	ccagaactgt	gaacttgagt	tctaccttgt	tccctactga	30900
cattcagatt	ttcttttttg	cattctcttt	atcttacagg	agacaggagg	ggagggctaa	30960
ctcattttac	tttggcttgt	cccttgctgg	tccttgccca	gaacgtaaaag	tagcttgcaa	31020
gtcttcaaat	ctaaaaatct	tagtaactcc	tacacgagtg	gcaatgccaa	agagcagtg	31080
aacaaagagg	aagtaaatac	gaccaaagag	tattctttaa	tacaccactg	gctcttggtt	31140
ttgttttatt	gtgtgccttt	gaactggagg	ggacccactg	tctatgctcc	cacttagtcc	31200
ctcttctttg	cactctggag	gcttccaacc	aaaatgacaa	tggcaattcc	gatgattggt	31260
acacactcct	ctaaaactgc	atttttctgg	gctgcagtc	taacccaaat	gagataaaat	31320
tccactgcaa	gctccttgat	cacagaactt	acttttgag	caggggggtac	catgtctcac	31380
cattccagca	tctgttgttt	ctgtcccacg	atgttcatca	agcccaaagc	aggtaaacc	31440
agagataatc	gattgatgga	atgaaacatg	ttcttgcaaa	tatggaagat	tggtagacatt	31500
ggtacactgc	aaccttccac	acagcttgct	ctgatcagca	caagcattga	atgtgaggct	31560
ttcttctgct	ctagtacaat	gccc aaatcg	aaaccgttgt	ttgttgatgt	catagcactt	31620
aatattagca	ttcttagcac	ttacacccaa	gatttccatg	cattgtatgt	tgcgatcagt	31680
gcagttacct	ttatagcagt	aaccatcttc	tgagcatggt	gtcccatctt	gcagataagt	31740
gtcatctggg	caaatgtatt	tagtcccatt	acagtactct	ggaagatcac	atatgttctg	31800
gatagggtctg	cagagtgtcc	cagaaggact	gtaagtgcaa	tttgacacgc	ataattcttt	31860
atcacaaatg	ctaccaggtg	ttaacctgca	atcatttcca	cagcagggat	ctgataaaca	31920
tgccttttgg	gagccacagt	cacactgctc	atcgttatct	actttgaagt	ttccacaaaa	31980
cttataagtc	aatgatgtat	tataataaac	atgacgggtc	tagaaaagac	atggcatcag	32040
accaggagta	ttaagtatgt	tgttlatctc	tgcagggaag	caattgctga	aagcatctgt	32100
taattgagga	tgtctgaaca	taatgcaggt	gttctctctc	tggcagacac	agtacccctc	32160
atcataatctt	aagcctaaac	tccttccaac	acgattgggt	attataggag	ataaaaaata	32220
aggattttcga	tcatattttac	caatacaaat	tagggctaag	gaagaacata	tactcctctc	32280

agctggatta	acctggttat	cttgtggccc	atacttatta	agtaaaactc	ctgcatcagg	32340
cttaaatitta	ttataaaaaga	ctgacacata	gtaattataa	gccgaccctc	ctggaactgc	32400
aaactcaagt	cgaaatggat	cagaattgggt	gtacacagtc	atgagaaaga	catagtaccg	32460
catatgaaga	ttggtcagat	aggtgtccat	taaactaatg	acttgaaaca	aatacccaac	32520
agtagatgaa	agtttgtcac	ctgcagcaga	attatataca	gaattgggtg	cttgaaagtg	32580
gccttttata	gcagctggat	gtgtagcgta	gttcttacta	gatattctgg	gagctccatc	32640
tgcataattcc	aatctggagg	agggagaacc	tgtattatgg	ctccagtgtc	tccatgcatt	32700
cataggccct	gtgtcatcag	actcagatac	tatctgagaa	acaaggtgtt	caaagctctg	32760
tgaatcattg	aggggtttga	tttcataggt	aagggtcatct	aacttcatga	ccoctgacag	32820
gccccataaa	caagtatcca	cagtgaccat	ggattgtggg	atcccccca	ggtagccaat	32880
atagtaacaa	tctacaggaa	aaaaggggta	atccatctgt	aaggctcctt	ggcatcttgg	32940
agttgtcagc	aacaagtgtc	tgggccaaat	gagtgtcttt	ctccgcagggt	ggatgatatg	33000
tctctggccc	cgaaaatgca	agctatatga	gagcagtcct	tgtgcttgaa	gtcctttgggt	33060
atggtagatc	tccttccgag	gaataaccac	ctccgatgag	atgtaacgcc	aagtaggatg	33120
gccttgagaa	caccagactg	gaaccaggag	gagcagccag	agtgcataa	gcaagaggag	33180
gaccctgggg	accacagggtc	tttccactag	cctcatgccc	caggctcagag	ataacatcct	33240
gggtggagct	aaatccctct	gctgtggcca	ctgcctgggtc	tagaaaatac	tgacagagga	33300
ctaaaaacct	cctcagggtc	ccaacctaa	tggttaccca	gacaactgga	gttaggtaac	33360
agtcactggg	tgtggcagga	attgagtcctg	aatgtgttag	ctgaggttga	ggttaaatat	33420
tgtcaaaagg	gatgtctata	aatgtgcctg	gacaagaaaa	gtcagaagca	gcaaggagtg	33480
tctctgacag	gctcaatcct	ttcttttctt	tttttgaagt	tcaaaatata	atttccacgt	33540
gaatgtattt	ggttcccagt	gtgactctgg	gtctcttctt	aggagtcaat	atttctttat	33600
atcttggctc	atgtttctca	cagttgttct	aatttcttgt	tttgttttgt	ttgtttgttt	33660
gaacgttagt	agtaataact	gtctatatta	gccttttagc	tataaatgat	tgtttttatt	33720
tcttctaata	atattttgtt	tgagttttgg	ttaaactatt	tacaaatgag	tttttttttt	33780
ttccttttgg	gtgttgctcg	aaagtttggg	gctttctgtt	aatatttgtgt	tgttattttt	33840
ccaatattat	tagacctgag	aattctatct	gggtacctgt	gaactctaga	atttttaaaa	33900
attccatctc	ttgggaacat	tacctctgac	ccgctctgag	gccgaagtgg	ctgtccccct	33960
ccaaccttta	gtatctttct	ttcctgacta	ttgggatttc	ttcaagcaat	caggctgatg	34020
ggttctcagc	agtgagacca	gtagactgcc	ggtatgaacg	tgaagagac	tgccacacac	34080
tccaggttca	tcaacagtgc	tttcgcgtct	cttacttttg	tagaaggaaa	agcagcctct	34140
gagttatctc	caagaatgaa	ttaatgaaag	agttaaaaga	tgggtatcac	ccggagttca	34200
tgacaagccc	tggctcagac	acgtgagcaa	ggtctacagc	cccaaagata	ggctgccttg	34260
caacatgtat	ttataagata	gaagaaaaaa	atgggtgggt	ggagggttga	tcaacttact	34320
tctctcaaaa	catatatatc	tcattctaagt	gtgcagggga	aaactctgta	ggactactgg	34380
gattgttatt	atcattatta	ttattattat	tattattatt	attattatta	ttattattaa	34440
cttaaggcat	tttattagat	attttcttca	tttagttttc	aaatgttata	cccggaaact	34500
cctatactct	ctccctgccc	tgtcccccaa	cccacccact	cctacatcct	ggccttgcca	34560
ttccctata	ctgtggcaga	tgatcttctg	aagaccaaga	gcctttctct	ccattgatgg	34620
cctactaggc	tatcctcttt	tacatatgca	actagagtca	cagctctggg	gaggtattgc	34680
ttagttcata	ttgtttttcc	tcctataggg	ttgcagatcc	ctttagctcc	ttgggtactt	34740
tctctagctc	ctccattggg	ggccctgtgt	tccattccaat	agatgactgt	gagcatccac	34800
ttctgtattt	gccaggtatt	ggcatggatc	ttactgcacc	ttctgaactc	tctaagcagc	34860
tttctgggtc	ggcgcgccct	ggcatggagg	aaatgacaaa	gattattaga	ttgaagactt	34920
tctcagaaaa	tgatattaag	tcatttaagga	aaaggaacaa	tataaacgtg	tatttgagaa	34980
attttaatta	tttgagagat	ttttcataca	atattttatc	tgcaagcaaa	tttcagggat	35040
tgaattaata	aaactgatac	agaacttctt	ctgtagggtat	ctgtgttaac	atcaatttct	35100
gaatcagtgt	tgtaaatatt	ttggaacaca	cacacaaaac	acattttata	tctactttta	35160
tctctatttt	taaaaatgcc	aaaaaaactc	attttgtgca	tgtagcattt	tgaattccca	35220
ccatcaatgc	atgatagttc	ttggttttcc	acattcatat	tgcattttat	cattatgaga	35280
attgtgtgtt	ttaaccattc	taataggtga	gtaatgggtat	ctaattttta	gttaaatgca	35340
catttcccta	ataaaaaattc	acatttaaca	attttctatat	aatttttgcc	aagatgcctc	35400
ttctcatatt	tggttcattt	ttacttgcat	tgttttcttt	tgattagtgtg	taagtttact	35460
tgcatattga	tttataaaatc	atlttaacaaa	ttaaaaagaat	tcattttaaca	aatatgtgac	35520
ttggaagtat	tttctccaag	tctgcggctg	tcttttactc	ccttatcagt	atgtattgca	35580
gaaaagtgtg	tgtgtgtgtg	tgtgtgtgtg	tttatacaaa	tttagattta	aaaaatgtaa	35640
aatgttatcc	atccacagat	catgtctttg	gtattatata	tgaaatctca	ttataaaata	35700
cagtaatagc	aattactttt	tccacgtctc	taatctcagg	ctacaatcaa	ctcatgagtg	35760

tttaagcttc	acctacttga	ttagaggact	atcaacctaa	catattttgga	atactttctgt	35820
aaaaagatgt	gttcctcttc	ctattatttc	tttatttgat	cacttattaa	tatgtgtatt	35880
ggtttatgga	tgtctatttc	atactctgaa	gaagatccat	gctacattat	tcatttttatt	35940
tttcaaacca	ccacggcttt	attatgtgct	gggagctcat	tgagtttgga	tcctgcaccc	36000
ttacagctca	cctcatgctt	ttgtttttga	acacttccct	gtttcctgct	attataataa	36060
attctaaact	cattttctat	attatctttt	tcatacatag	aatcagccat	ttttctaaag	36120
attgcttgct	tctgatgtta	aagaatagta	tttaaaaaat	tgtaatactg	ggtatgtgca	36180
ttgttaatgt	ggtataagta	cttgcaggac	ctctcaacca	actggcctag	taaactatgt	36240
atctaaccct	ctgtaatgtg	attacattaa	aaatgagaac	acactgggtct	ctctacccaa	36300
ttatgctacc	acatggatct	ttctagcctt	ccttccttga	ctgtctataa	cctctcactg	36360
caaaatgagg	aaccccatcc	aaccatagtc	cattttatta	cttagctgca	caatttcagg	36420
acacatgcat	agcagtatca	gaaatgtaaa	gctgtaccct	tgtaggaaac	atgtttatct	36480
actagaatag	agtgccttatg	ttcagtttct	ttacacttta	aacttacaga	gtttcctcat	36540
tttcaaagtt	ccttaggtca	gcaacttcat	tttccacttt	cttcagttag	gtcatttcaa	36600
tgacactgta	taatttgatt	tatttgaaat	tctataaaag	ccaaaactgt	agtcaagtga	36660
acaacaacat	atagaggata	ttcgaggagt	ttagagactg	gtataaaata	agttaaaaag	36720
acactgttta	agaagattaa	aattattttt	agtgatatgc	aatggttcag	atatgacaca	36780
attaattttgt	ctaagcacat	agttttgtga	tggaaaatat	aaacctaaat	atatacaatt	36840
aaaaaaaaat	ttagcagttc	attaacccaa	ggatcaaatg	cagattgtat	aaaattatct	36900
cattacttat	tttgtgaggg	tggagatttc	atgagatgta	tgcaacaaaag	aatgaggtaa	36960
ttttcctgat	ttgcatataa	gatgttgcca	ttcactaaag	acotttaatt	ttttaaattg	37020
tttttttttt	aaatcaattt	tctatgtgac	ccaggttttt	ttctcttgac	aagcaataaa	37080
cccacaggat	tattttcttt	ccttggttga	gaaatatttc	cccaaacttc	agctcagttc	37140
aggcatacac	tgtccctgaa	tgggcattta	ccctcagatg	ggtacacaca	cctgtcaaca	37200
tgtggactct	tctgtcagac	aaacgcacct	ttactcacgt	ggattcttct	ctcagacaaa	37260
cacacatgtc	cccacgtgga	ctctttctct	agactaccac	atatgttctt	acatttactc	37320
tttctctaga	aaacagacat	ttcctcatgt	ggactcctgt	ctcagacaag	caaacatgtc	37380
tccatgtgaa	ctcttcactc	acataagtac	acatatgtcc	acattgactg	tttctttaca	37440
caagtacata	tatccaatgt	cgaattgttc	tgtggcaaaa	tgatctcaag	ataatgataa	37500
tcataaaacc	cctccctgac	aaggcataga	tctgtatttt	tttcattgca	acctaacttt	37560
gccttattgt	caagaacagt	agttttgcagc	tctaaatata	ccaattagag	acaggtgtcc	37620
attttctctg	gaaacgtatt	tttatgttct	tactggacat	atttgttgat	aatgtttgct	37680
attatgaaga	taccccaaca	gtgtccacat	tagagaataa	aaaatagtaa	tgggcagatt	37740
aactctgtgc	atccagaccc	agaaatcctt	tgaccttgac	ttccctgaaa	tgtagacaca	37800
gaggatggat	gagcaatgct	gagcagtgca	cccatgacca	caaaaagaaa	gacgtggaaa	37860
tgtgtccctt	ccacttctca	tgaaaggcag	ctcatccctt	gttccctcag	gccctggcga	37920
ggagccaccc	catgtctgtg	cccttctctca	gtgtccacac	cgtggggtct	gcattgatct	37980
ggattctctt	ctcatccccg	tcaatattag	tgtcctctgt	aaatcagggtc	cagctgtggc	38040
ttctcctcac	gggctgtgtc	tcagtctgtt	tgctgtgttc	acggaagtcc	tgtgtgaagt	38100
ttactgatgg	agtcagaggg	ggaaaaaatt	tacagcccag	tgggtgagact	ctcctgcaaa	38160
gcctctggtt	tcacctttac	tggttacagc	atgagcttgg	tccagcacgc	ttcacaacag	38220
ggataggtgt	gggtgccaac	agtgaagtgt	caagtatgaa	ttctcagggg	tactttccat	38280
gagtacaaat	aaattaacaa	tctcaagcaa	caccttttta	agtgacgtct	gccttacaat	38340
gaccaatctg	aaagccaagg	acaaggtcat	gtattactgt	gagtgacaca	gtgagggaaa	38400
cctgtgtgta	gccagacac	aaagctcacc	gcaggggagac	aggaggggac	tatgtggtag	38460
atgctgctca	gaaccaccag	ggggcatcag	gaccatcagg	gaggggtgcac	agaaccacca	38520
ggaggggctc	aggacaccag	ggggcgctca	gaaccaccag	ggggccctca	ggacaccaga	38580
gggtgctcag	aaccaccagg	aggcgctcag	gacaccaggg	ggcgctcaga	acactaggag	38640
gtgctatgaa	tactagggg	gcgctcagga	cacaaggggag	cactcagaac	caccagggat	38700
agctcaggat	accagggggc	actcggaacc	gccagggggc	gctcaggaca	ctagggggcg	38760
ctcagaacca	ccagggggca	ctcaggacca	tcagggaggg	tgacagaaac	caccaggagg	38820
ggctcaggac	accagggggc	gctcaggacc	acaagggggc	cctcaggaca	ccagggggca	38880
ctcggaacca	ccagggggca	ctcagaacca	tcagggaggg	tgacagaaac	caccaggagg	38940
ggctcaggac	caccaggagg	tgctcaggac	accagggggc	gctcagaaca	ctaggagggtg	39000
ctatgaatca	ctagggggcg	ctcaggacac	aaggggagcac	tcagaaccac	cagggatagc	39060
tcaggacacc	agggggcact	cggaaccgcc	agggggcgct	caggacacta	ggggggcgctc	39120
agaaccacca	ggaggcactc	aggaccatca	gggagggtgc	acagaaccac	caggagggtgc	39180
tcaggacacc	agggggcgct	cagaacacta	ggaggtgcta	tgaatcacta	ggggggcgctc	39240

agtaacaata	ttatttttcag	aagcctat	tataaggctc	ttgaactatt	attttttatga	42780
ttgttacttt	atatttttaca	cactttttat	ttggaataat	tataggttat	cagaacaatt	42840
gtaaggaaaa	tacagtgtgt	tcacatccat	ctccaagttt	tcactaaagt	taatatgtca	42900
aaaaaaacat	gggacatggg	actaatatat	ttacattgat	aagtttctgt	ttattcagct	42960
ctgggattta	tttgaatttt	gccaaatttt	aacagtttcc	ttttttccct	tttcttttct	43020
ttttgagata	aggtgtcact	ttcctattgc	tttttgtttg	tttctttgtt	caaccacagt	43080
aaccacatca	aattcagtc	ccatgttcc	ctcatatctt	ctgggttaac	acagtttggg	43140
ttcctgctgt	cttcccattg	aatattctat	aaatgaaact	agtcacataa	gttgattctg	43200
gtcacttata	tattttacct	ttttatcacg	tttgttttgt	caatcacagt	aagtgtcgaa	43260
ttcgctatct	gttatagatg	ttagcctatt	ttctatccca	gatccattgg	ttaaatcttt	43320
gggtgatgc	tttagaaaa	tgatcccttt	accctatgta	atatgccctt	tgattccctga	43380
aagtccttatg	tctaccttgt	ctgaattttaa	catagctaa	cacgctttct	tttcgttcat	43440
attttcatgg	tccatgtttt	cctgtattta	acttttctat	gtagagcaaa	tttctgtaca	43500
gagctagtag	ttgggtcttg	ctttttaaat	caactataat	aattctattt	taaaactgg	43560
attactat	ttctgttaat	ttctgtttta	atttggcatt	ttatgatcat	gtttatttct	43620
ctattaactt	attgtttagt	tcacttttta	tgaatattgt	attggcccta	agatatacaa	43680
taagaattgt	gtataatcag	attctaattc	aaataacgta	aaacctcttc	ataggttgta	43740
gagctattat	aacttattct	tctaaacact	ctttctcatc	cgttgtctta	gtttattctc	43800
agtttgcact	tatatgtgct	ataaaatata	atatgtgcat	ttttatcatt	acatagacat	43860
atattagaac	aattaaaaat	ataaaaacta	catttcaact	tcattttttc	attcttgacc	43920
acatgtttta	tttggataga	ttcatgtttc	ggatgtatat	catatggcta	ctcaccctgg	43980
cagaaaaattt	gccaaagcac	ctactgaagg	atgaatgcac	tagcaataaa	ttttctcaga	44040
atcgatttgt	cttacagggt	attcatttga	ctttcgcttt	aaatgaaatt	tttaatatat	44100
atagaattcc	agtttgactt	taatttgtaa	tttattttct	tgtactcatg	tattcattat	44160
tttcttctcg	aagatggtea	cacattccat	tctgtctggc	cttcattata	gatatttgtg	44220
tgtatctatt	cagggtctata	tttgcaattt	atggatgcca	caattatcag	agttgaagtc	44280
agcttctgct	gtccacagag	atttcaagtt	cctcccatga	tacttgcctt	tgtgtccctg	44340
tttgatccctg	ggtctttata	tttagttttc	cccaggagg	ctgtctgttt	cagctgtgga	44400
aagtgcaccc	tactgacagt	ttaaattgat	gactgtgtgg	tgaaggagg	tggacaaaagc	44460
gggacttct	ccaaccttct	gactgagctc	ccttcttatg	caggagtagt	aagcatagtt	44520
ctggggagtg	gccttccaca	ttgtcctgtc	cttaactctt	tccccagggc	tggaaagctc	44580
tttcccagac	acaactgttt	ttcaccagtg	tcccagctt	tttaccact	atccttacc	44640
taaagagtaa	ggattttctt	cctgaggaag	gagatgggag	gtgtttctgg	atcaagtttc	44700
cttgggtgctg	tctgtttctt	tttgtttctg	ttgacttcac	cacagctcat	atgacacatg	44760
ctttgggtgga	tttccctggg	aggtagtggg	ggtgcattca	ggcattccac	aggagctgct	44820
gttctttttcc	ccagtcaaca	ccacaagaca	ccagatgagg	aagttgtccg	tggatttttc	44880
aagttctcta	ggaaaagctt	gcaagcacta	ggccaatcta	acaccattag	tacatgcata	44940
ctaaaaaaaa	aaaagtcatt	aagtatttct	aggtttagct	gtttctatct	caaagcccat	45000
ccagtggcac	ctgcctacg	tacactagca	ggtaggtcct	ggttctctct	gcaggctcct	45060
atcttctcag	atttcagttt	tcttgtttgc	ttggtgaaat	caactcagat	atgttgaatg	45120
ttttttctct	cttttatattg	tagctgttca	gcttcgttgt	taatgaggtc	agaataaaat	45180
cacagttttc	tcattttttt	cacattccca	cactgaatag	ctgctttccg	tataaaagcc	45240
agaaactgag	agaacacatt	gaatatccat	tacaggtgaa	tgttaaacia	tttgagatat	45300
gtttgtgtac	tggaaataaaa	tgtctgatta	caatcaagtc	atcaactcatt	cacataaaac	45360
atggccacat	tctcaaataa	tgtagggacc	tgagtgcctc	tccatctact	ggcctctcct	45420
ggggccctag	cctggccaca	ccttcttgca	gggcagctct	ggacgccttg	ggatcccgca	45480
ccaaaatttc	tgccttgcca	gaacatgcct	gactgggtgga	gagctccaat	cgggcagccc	45540
tcatgtgcac	acaccagctt	acacacttcc	tccgaatact	gtagggttcc	ccaggccccc	45600
gtaacttccc	acatcacttt	gcagtcacat	gtctgtatag	gtgggttttg	cttttcttgt	45660
cccaccattg	cgtggagtg	agtccectcc	ccccacccca	accaccatgg	cagagggaagc	45720
tttgggtggg	aaaaagccag	ggccgctcct	gtcagcgtcc	cgcacttgcg	ctaattctgc	45780
acagagaata	gcagatcact	tcacacattc	agaaatcact	cctgcttctg	gggcatgaat	45840
acggccaccg	ggcctgtgcc	cacaagtgct	ccatccctga	gccaacacct	cctccagtg	45900
gaccttgaac	acagtcacca	acagggcccc	acagacgcaa	tgcctctgcc	actgtggcga	45960
acacctgcag	ggaggcaggc	acccagacac	ccactagcac	tctgccacag	ctgccacacc	46020
tccaacagcc	caggacagtg	gattcctaac	cttaaggagc	cggagaacca	agtcagggac	46080
tagtataact	tccccagag	tcagagcaca	cagtcctaggt	gttgggagct	gagcactggc	46140
cacctaaatt	tttccagaaa	tgaagccagt	tggctgaatc	caccttatac	cacaatcaaa	46200

ccctcaaggt	catccaatag	ggtaaaagaa	aataaaaaatg	tatccaaagg	tcagcaactt	46260
caaagattga	aggtggataa	gccacaaaag	atgagaaaaga	accagtgcga	aagtcctgaa	46320
aacaaaaagg	ggcgcctctt	tcttccaaac	aaccacagca	cctcttcaac	agcagttctg	46380
aatggggctg	agatggctga	aatgacagaa	acagaactca	gaatatggag	agtgaaaatg	46440
tagatgaata	cagctatttta	tggagaatac	tataaatgtt	cctcaaaaaa	taaagaaaca	46500
aaatctactg	tagaatccag	cagtctcact	gctggctatg	tatccaaagg	aaatgaaatc	46560
aacatgtcaa	agagatatct	gcactccatg	ttcacgttca	ttgcagcatt	atttaaaata	46620
gtaaagatat	ggaaacatcc	taaattccca	tgaatggatg	aatgaataaa	gaaaatgcat	46680
acagacacaa	cagagtaatg	ttcatcctta	aataagaagg	aaaccctgcc	tctgtgacag	46740
catgcatgaa	tctagaggac	cttatgccaa	gtgaaacaag	ccaggaacag	aggaagagtc	46800
attcatgatt	tctatgtata	tattaaagca	gtagacttgc	agaggtagag	tagaatgttg	46860
gttaccaggg	cctagagggg	tggactggga	aagggagatg	tgggttaaaag	tgcacaacgt	46920
tccagttaga	ccggagggtat	aagttatgcc	tttctaatgc	acagcatgtc	aactatagct	46980
gataaggtag	tatatatttc	aaaattacta	aaaaaataaa	cattagaatt	tccccactaa	47040
gaaatgataa	atttgtgagg	tgatgaatat	aagcggcttg	agttacccag	ttcataatgt	47100
atacatgtat	cataactaaa	caacatatgt	cataaatata	tgcaaaaatt	atttgttaatt	47160
tataataaaa	taagtttcat	atttaaataa	ttacattaag	aaaatgaaca	gaaactttca	47220
gatttcaaga	atatatttata	tatatatata	tatatcttaa	aacaaacttg	caacagaata	47280
tagaaataag	ttttacgact	caatggaaaa	gaacagaatt	caataaaaaac	tggctaaaaag	47340
aaacaacagc	tgcattcatta	tagaaaattc	tggaaataatc	agccatataa	agattctcac	47400
tctcttagaa	ctagaattcc	gtaggacttg	taattctctc	tgacctgggt	gggaggcaac	47460
aggaagaaca	gctaattggtg	attcagtgag	ttttatacct	gtgtgtactt	ctgtgtcacc	47520
tcagcagaaa	gaaaagaaga	aaagaaagaa	agagagaaaag	aaagaaacag	aaagaaagaa	47580
agaaagaaga	aagaaagaaa	gaaagaaaga	aagaaagaaa	gaaagaaaga	aagaaagaga	47640
aagaaagaag	aaggaagaag	gaaggaaaga	aaagaaagaa	agaaagagag	agagggagag	47700
aggggaaggaa	gggacagcag	aagtcattgt	ggtgtgtgtg	aaagcacaat	ccttgggctc	47760
ccccacatcc	atctctactc	cagtcccatc	aatgtccagc	aaatacattt	tctaagatga	47820
agtatttttaa	acttttctaaa	tctgtctaga	aaacccctca	gctctttcag	ttttgtctta	47880
tcacttgaat	tattgaatta	aatctagttt	ttgtgggcoct	atcaatacca	taagccaaaa	47940
taacacatga	agaaattgca	ctgagacaca	tgaaaacctt	ctgaaagctc	cataatttca	48000
gatctgcatt	cttatttccc	cgaacctaaa	tcactgaata	gagactcaga	acgagttgat	48060
cttgttctctg	aacgtgcaca	gagccaagga	catctgtctc	gtctggaaca	gctcaggttt	48120
gttctctgttt	ctcctagagg	atataaaaatc	ttgagttagg	gaaaaacagc	cagggacacc	48180
ctgggctttg	ttcttctctc	ccctggaggc	aggatgtcct	tcagagcttt	gtcccagtg	48240
gtaacacagc	tgctgagggtg	tacaaccac	gtggcctcgt	tttggtcact	tttgcatgg	48300
gagcctgctt	tgcaccatgg	cctacaatat	gcgtgtgtaa	ctaactctgtc	tccatcttca	48360
aaatgacatt	attccacatc	aaatctagtg	caggtgcctc	acacagaaca	ttctcaatta	48420
cctccatcat	tcataaaaatt	gatgccatta	atttcaagta	tacatacatc	agactcattt	48480
aacgtattgt	tattctcatt	gtttgaaaca	taacttttag	atcaataaat	taacaataat	48540
aaaaatataa	attttgaagt	caggtaatgt	gatttctctc	gttgtgttct	ctttgtcag	48600
aatggcttgg	gctgttctgc	atcttttgtt	tttccacata	tatttttagga	ttttttaaaa	48660
atttctgtga	agaatatcat	tgttgttttc	atagggattg	tactgagctc	gtagattgct	48720
ttaagtatta	tggacatttt	aacaatattg	aatctttgaa	ttcataaaca	tggaaatattg	48780
ttccatcttg	tgtctctctt	atttctcaca	tgttttatag	atttattgta	gttttttttt	48840
actttgttca	ttacacattg	tatgctgtga	ccaaaacatc	acatatacc	aacaaataga	48900
aatatatata	ctattatgtg	cttataacaa	ttaaaaatta	tgtatgtata	ttgaatctat	48960
tcaaaatcag	aaactatttc	tttttactgt	ttgttaaggtc	ttgtctctag	gctataaaaa	49020
gaatttgtaa	aactcaacag	aaagcataat	ataaacagaa	ttctaaaatg	agtgaaaatc	49080
tgaacaaaaca	cctcaccaag	aaaaaatgtt	atctgaaaat	aagaatatat	aaaattgttc	49140
agtatcaatt	gtcataaact	gatactcata	tttaccaaa	acaaaagtaa	acatgatgta	49200
tttcaacaga	attgattctc	aaatatttgt	atactcatac	agtggaaatac	tatcagtcac	49260
aaaaactatg	gggtattaat	tcagaagaca	acatttttaac	attttttcta	agtgaaggaa	49320
gatggacaaa	agagactaag	tattgtacaa	ttccattcat	gagacctgct	aaatacagta	49380
aaattaaaag	gattttaaaa	acaggtttgt	gataggcagg	gcttttgggg	aaagacaaga	49440
gactgacttg	gcaaagctca	ggggatattt	ttagggtaaa	acaaaactgtg	tgccattgtg	49500
atatgcctaa	tttcttatta	tatttgttca	gagttaatag	tgtacgtttc	aaccaactcg	49560
gtgattttat	attttctatt	tgtgataga	gacatgttca	tttttgtcaa	tcactttgct	49620
aaatgtggct	gagaggctgt	tgaatgaac	gctgagcaaa	tgtattcacc	aaatctacaa	49680

gagcaaatta	tttggcaatt	gctgattgag	tgggggtctat	aatgtatttg	agattgggtg	49740
tggggatggt	atttgtgtgag	atcatgatgt	ttagaccatg	acactctctg	gtgagggatc	49800
actcattcat	tgcacattta	atgaaaggca	ggtaggagga	gcagaagggg	atgagtcaca	49860
ctcctgacca	cagccacagg	ttattgaagg	cagaactgat	gtaatcccc	aaggtagacc	49920
actgcccctc	caaggtgacc	ttatcctaga	gttgacacac	atcctgggac	accagagaca	49980
actccttctc	tcccctttct	ctgcaettca	gctggaagca	actgtctcac	cgagcacctt	50040
gtgttaagga	atgagagtgc	ctgttccagg	tgtgagggcc	caggtgcac	cacttgatcc	50100
agcacaagag	caagaacagc	cttccagaaa	atgacatcgc	ctgaggtata	accagctctc	50160
acctgctgca	gcttctctct	aataaaaagg	aaactgttga	aacttctctc	taagtgtcct	50220
gctgtgccat	tcccctttgtc	cccacatggt	cagttgtgtc	tgtccagatg	tcacttttgt	50280
gtaggagatg	tagggttctg	cttccagtag	cagaacacac	atgacctctt	aggggagatt	50340
agggttttgc	tgacatattg	gatgatctta	aaagtcatla	gctccatttc	tacatcaaaa	50400
aacatctgaa	ccaaaaggagc	acataggctc	aggcctgtaa	tcccagcact	ttgggaagcc	50460
aaggcagagg	aatcacttga	ggtcaggaat	ttgagaccag	cctgggtgaac	atgggtgaaac	50520
cccgtctcta	ctaaaaaata	tatacaaaaa	ttagccaggc	gtgggtggcac	tagcctgtaa	50580
tcccagctac	ttgaaaggct	gaggcaggag	aattgcttga	accagaggag	tggagattga	50640
agttagctga	gatcgaccca	cttcaactca	gctggggcga	cagagtggag	ctccatctaa	50700
aaaaaaaaaa	aattttatata	tatatatata	tatatatata	tataataaat	atatattata	50760
tatcatatat	atattttata	taatatatat	gtatatTTTT	atatattata	catacatatc	50820
aatatatgat	atataatatg	tatatataat	atataatatg	tatatcata	tattatataa	50880
tatgtatatt	gatatatatt	acacatatat	attttgatat	atatatatct	ccaaaccttc	50940
taaatatcaa	gtatttttta	atccatctaa	gagctgaaat	tgctgaaaaa	actactccct	51000
ccaaaagctg	tagagacagg	cacatccaca	gtcacagcag	agacttgctg	acttgggaaga	51060
gaagctcctg	gagacacatt	ggtgagaaca	tttacctggg	gattatgctg	aatgtctgga	51120
ggacaaatgt	ggactagggg	gaggggtgagc	actcctagag	gctgtacacc	ccacacttgt	51180
gtggacttgc	cctccagggc	cttcagggttc	tctgtgaagc	aattaaaaata	gattccctat	51240
agccatgaac	tggggaggag	taatcacgga	gaaaagatgc	acaaaaagac	ttttctagaa	51300
agctcatcca	aggggaaggta	ttctccaaaa	tcttagttta	tgtgggggaa	ggaaatactt	51360
ccaaattaca	gacccctcct	cctcagcctt	cctctatcac	gcaaatgata	aaattagcca	51420
agaggagtca	gattcaaggc	ggtagccctg	ggtgcagcat	ctgcagaagg	gaggaaagag	51480
agaaaatcag	ctgtatcact	ggagattcct	tgtgaaggct	actgctcagg	agaagagggc	51540
aaccaaacca	gggagagtca	actgtaagaa	cataccatgc	tccctgccc	cacacattac	51600
ctcctcaaca	gcatcattaa	tatggattaa	agagggcagt	gtgattgctt	tagatctggt	51660
tgagaaagaa	agtcacatac	tgaggcctag	ggtcagggtc	ggcggcactt	cccgtgagta	51720
agatactacg	aagaaggaaa	aattaggggt	ccataactgt	gaaaatcagc	cacagtgtgt	51780
gtgagaatgt	ttgtgtttgt	gtttctgtgt	gtttgagtag	gagttatttg	aacagcggac	51840
gtggagttag	ctttaatcca	catccatctg	cagcttcagg	tattctcaga	tgcagtattc	51900
atctgcaaga	gccgaaatga	gaaaagagcc	acctccaacc	ccccagagt	tttagccctc	51960
ctttgtttcc	agtgatccag	tgcattctaga	cctccaggaa	gtggactccc	tgggtgatttt	52020
agcgattctt	ctcttgagc	cacctgaag	aggacattgg	gtttccaaag	gccattcac	52080
tatttcaaga	agtgggtgca	tcagctcatg	ttgtcactga	aggagcattc	tgagccaggg	52140
cacagtcact	tcctagttag	ctacagaggc	tgagagaaaa	atgctctgtg	agacccaatg	52200
ggaagctccc	tgcagtgcaa	ggtctgggtg	gcagggagcg	ctagggcctc	gccagcaca	52260
ggctgcagcc	ctggagcagg	tgcaaggag	gctggggagg	ggttctctcc	agggctctgat	52320
gtcttctctt	tctcggacaa	acatgcttta	ataagttaaa	caagacttta	gtaaagacta	52380
ttgatgtgtc	tttgtgtctt	tcagtataca	gttctatttg	taggatttat	ctaacctaac	52440
aagtcaatga	gaatcacatg	taaaaggaga	aatttctagg	attttcagat	atcttaatag	52500
gtaggagatg	gagaaaagg	atggttttat	taattcagtg	cttgccaatc	ttaacagaga	52560
cagtagtaag	acatgcagaa	agcaaagccc	agaaaagtat	gaaggtgtca	aagtgccatt	52620
taagtatggg	ttcacttggg	ggaccatggt	ctgcgggaac	ttgttttcag	cagacaatct	52680
attttagcag	agttctgggc	atacaagggg	acacacatca	ttaaacaagg	attgggacag	52740
ggacttcagc	gtcccactgt	tgcattggccc	ataaattatg	tgtgttctct	ttctcatctt	52800
ggatcaagtc	tagagctatg	aaatagtatc	cctcatgaat	atgcaataaa	cctgacattt	52860
actgaagtaa	atacagatct	gtcctgtgcc	ctgagagcat	cacccagcaa	ccacatctgt	52920
cctctagaga	atcccttgag	agctccgttc	ctcaccatgg	actggacctg	gaggatcctc	52980
ttcttggtgg	cagcagccac	aggtaagagg	ctccctagtc	ccagtgatga	gaaagagatt	53040
gagtcagtc	cagggagatc	tcattccactt	ctgtgttctc	tccacaggag	cccactccca	53100
ggtgcagctg	gtgcagtctg	gggctgaggt	gaagaagcct	ggggcctcag	tgaaggctctc	53160

ctgcaaggct	tctggatata	ccttcaccgg	ctactatatg	caactgggtgc	gacaggcccc	53220
tggacaagg	cttgagtggg	tgggatggat	caaccctaac	agtgggtggca	caaaactatgc	53280
acagaagttt	cagggcaggg	tcaccatgac	caggggacacg	tccatcagca	cagcctacat	53340
ggagctgagc	aggctgagat	ctgacgacac	ggccgtgtat	tactgtgcga	gagacacagt	53400
gtgaaaaccc	acatcctgag	ggtgtcagaa	acccaaggga	ggaggcagct	gtgctggggc	53460
tgagaaatga	aagggattat	tatttttaat	gtgtgtttaca	gtatgtcatt	aataaattga	53520
aaaaaagtaa	caatagaagt	atatactcta	attatatggg	aactttgttt	tttcagtttt	53580
ttcatttttt	tttttttttt	tggtttgttt	gtgacagagt	ctcactctgc	caccaggt	53640
ggagtgtaac	ggcacaatct	cagctcacta	caacctccac	ctcccaggtt	caagcaattc	53700
tcttgctctg	gctctcagag	tagttgggag	tacaggcacc	cgccaccatg	cccggtgaat	53760
ttttgtattt	ttagtagaga	cggggtttca	ccatgttagc	taggctgggc	tcaaactgtc	53820
gatctcaggt	gatctaccct	cctcagcctc	ccaaagtctt	gggattacag	gcgtgagcca	53880
ctgcgcctgg	cccaattata	tgggaattgt	ttatataatt	atcacccctat	aagcaaaatt	53940
catggaggag	gaaaagctct	actgaagaaa	gctgataccg	gcattcccat	gaaagtatct	54000
gtgtagaagt	aagtattaaa	atcagttgaa	taggcaaggc	atggtggctc	acgcctataa	54060
tcccagcact	ttgggagacc	gaggcaggtg	gatcacaagg	taaggagttc	aagatcagcc	54120
tgcccaagat	ggtgaaaccc	cttctctact	aaaaatacaa	agaattagct	gggcgtgggtg	54180
gtgggtgcct	gtaatcgcag	ctattcggga	ggctgaggca	gagaattgct	tgaacctggg	54240
aggtgaagg	tgcagtggag	cgagatcacg	ccactgcact	ccagcctggg	cgacagagtg	54300
aaactccatc	tcaaaacaaa	acaaaacaaa	acaaaacaaa	aaaacagttg	aataaagtac	54360
cttagagtca	tctgttcaat	taacatgttt	aactccaaag	aaatactgaa	aataattttcc	54420
aaaaaggaag	tgccattttta	cgttcctacc	aacagtgaat	aagattttct	tttctggagc	54480
cttgtcagta	ttcactaatg	ctttgctgtg	cagccgttgt	aatattatag	taaatgagta	54540
gcagtattta	atgggtgttt	taaataatac	tattcttaat	acaaagtctt	gatgaacact	54600
tttttatata	ttgttttatg	aggtgtgtgt	tcagatctat	gtatgccaga	aatgcctggc	54660
agcgttaatt	taagcacact	gtgagaatga	ccctatagtt	tatgaagaat	gtatgttcag	54720
agctctgagc	taagaaatcc	aggagctgtc	aaccagagaag	tttattcctt	gtctgtgaag	54780
gacatctgaa	tccctggcct	atcccttgga	acacaggatg	tccaggtgat	tgatgctctt	54840
tgttaaatct	ggagggttgc	aggttagagg	tgctaagtga	aaatcataat	ataaactaca	54900
cgtgttttac	aaatggtagt	ggttttctct	tccaacacac	ttttcctggg	ccacattgta	54960
tgcaagtctt	caatacaccc	taggtcttgt	tcattgggtc	caggtctcct	cttcagcctt	55020
ttggacatgg	ttgacagctc	attacagtca	ataggggtct	agcatgacaa	ctggtaggcc	55080
cagaacaagg	tcaaagaaaa	tccctgcaagc	tcttagacaa	cagtgtcaag	gaaggggaga	55140
cctgtgggga	aatcccaggc	aggccatgca	catctctgtg	ggcccaacag	ctgcaatcct	55200
tgatggatgg	ggcccgctgc	atgtgtacgg	ggatgcctcc	aaaatgccaa	aagtcttgga	55260
ggacctgttg	cctgaggttg	atgtgacaat	gtgacaaagt	gacagtcaga	ttcctgagct	55320
gtggcagctg	ttggccactc	ctgactgcac	tctgagcaac	cactgaggca	gagctcattg	55380
cacaggctag	ggtgtgtcag	ccacgagaac	agttgttaact	ataatgagat	gccgcctgta	55440
gggataggat	agcaaatgtg	agaccattgt	ttattttggt	ggccatttaa	agtgttgctg	55500
actgccacac	caatgcatta	ggactactat	gactacgtca	tccctgggagc	ctaagtccctg	55560
gcgtccgatg	tagagctcca	gtgggaagga	gatgaagggt	aggatgagtc	cataaagggt	55620
cttgctctgc	agccctgtct	ttgctgtctc	acttgggtgaa	cagagaatgg	gaggtcaatg	55680
cggacaaagt	ccaggggtcca	ggcttatcag	tcaaataactt	ggtgtcatct	ggttacataa	55740
gactatagtt	attccatatt	tcattcataga	taagataaga	tgcaggtcta	ctcatgtccc	55800
accacaccaa	agcagtttga	aacctcccaa	ggcctcctgg	gacattggcg	atccttttatt	55860
ccccatttgc	gcaaaccctt	tgggccccca	tggcacttag	acaagaaggt	gccccactgc	55920
gactgttcca	aaagggagga	tgagggtctc	gaagaagctg	aagtcacagt	gaaatgaata	55980
caaaccttgg	gagttctagt	gcagggacag	ccctgtgaat	tggatgtagt	cagttaccct	56040
gaggggttta	ggtggggact	gtgttaaagg	caaggacata	agtgtgtgtc	cctaagaccc	56100
tgggtctcaa	gacagaagga	agctgaagtg	agatatactg	tttaggagta	gcaactgcac	56160
tacatgtcat	gccttacgag	tgtaggatgt	gacaaagagg	gccactccac	atccggaaca	56220
accttttagca	ggctggctaa	aggatgcctt	ccagacacaa	aagccttgga	atgccaggac	56280
acagtcctgta	gccaaatggt	acttgtgtgt	gtcaccacca	acataaaagt	gggccaactg	56340
tgccagcaga	agttagcccc	acagaacttt	cccccaocta	agagaaggca	gtgcaccaca	56400
atgcggaatt	ccaccactgt	ggaattgggg	gagcttagaa	ttggattcag	acacaagggg	56460
agagagtggg	tcacaggggtg	gcttctctat	gggatagggg	gtggagagta	ttatactctc	56520
tggactcaag	atgagtaaaa	tgacacccat	cacaaaccat	ccagccctat	gatggcacct	56580
ttatggtaag	tgggttcagg	ctccaagggg	gccgggtcca	atgaggaaga	tgccccca	56640

gctcgttctc	aatggcagac	tatagaagag	ttgcaggata	tcttctggga	gtcgagatga	56700
ggcatgctaa	ttatgctgag	aattattgaa	gtcccaacaa	tgaattgttt	actgcaaaat	56760
aaaagctaca	gttatgtatt	cagtgcctac	ccaatggcat	ggtgcactga	tttccacgtt	56820
aagccccctg	ggagggcagc	caacatttca	tgtgccccag	gtagtgtctg	acttaggaga	56880
aaagaagaaa	ctgagtaagc	aagggatgca	ccctactgtg	atgaagaaca	atggcaccaa	56940
aggaagagag	acagccaagg	agccagtcag	ggtggccaga	caacgaatgt	gctctaactg	57000
gcaacaccta	ccagttctct	gggcccatag	cggcaatagg	tggttatgga	agggccacgg	57060
aagtcagacc	ggttgaacta	gtgatacgac	ctgggggact	gccacccaga	ccctgtgtag	57120
tatacacagc	ttccatccta	gaacacatga	gaatggatat	cttcttaggc	gtgaccctcc	57180
aaacaacggc	cagggaaattc	caacggagag	ttagagtggg	gatatgtgtg	accaagcaga	57240
aggcaaactg	gatgccagta	gagctgccaa	cccatgggga	gtcccacagc	tggagcaaca	57300
ccaccgcccc	tgaggggga	agatgatcca	atcatgaaga	ttgttaagga	gctagcccag	57360
gtaggcatta	ggaggccaact	gcatggttcc	tacaacagac	ctgcatggcc	catgcagagg	57420
ccagttgaga	catggagaat	gacagtagat	tactgggagt	taaataaggt	ggtctcccg	57480
gtgaatgcag	ctgttcctaa	tatctctctc	agtctgacga	gaataggaga	ggtgttagcc	57540
acgtagcatt	tccttatcag	tttagtcaat	accttcttca	gcatttctgt	tgccccagag	57600
tcaagatcaa	tttgcattaa	cctaaaaaga	acaatggact	tttactgtct	tgttccaggg	57660
atattttacac	agcccaaatc	tcacagccta	gtgacctcca	acctcagtcg	atgggctgac	57720
ccaaagggga	tacatgtttt	ccactacatt	ggtgttatca	tgataacctc	tgagtctttt	57780
ttcagcttat	aaattacagc	ccctgtcttg	ctgtctcact	tgctgaatag	aggatgggag	57840
gttaatacag	acaaaatcca	gggtccaggc	ttatcagtca	aatagttggg	gtcatctggg	57900
tgggtaaaaac	taaagtcatt	ccatctgcca	tcatagataa	ggtgcaggcc	taccacgctc	57960
ccaccacaac	aaagcagctg	caaactctca	aggccttctg	gagcatcagt	gtccttttat	58020
tccttttatt	tgacatccct	gaaggaggct	gctaggggag	actgtgtccc	tcctaaattc	58080
atgtgctgaa	gtcccaaccc	ttggctcctc	agaatgaaat	catacttgga	ttagtgtcct	58140
ttaaagaggt	gaataagtta	aagtgcagatt	cctggagtg	ggccctaattg	caatctgact	58200
gttgttataa	gaagaggaag	caggagggag	ggtgcacagg	ccccgaggga	cggccatggt	58260
accacagaac	agtgagaagg	cgccatctgc	atgccaggga	gcgagacctc	agaggaaacc	58320
caccagctg	gcagcttgat	cttaggcttt	catcctccat	aagtgtgagg	aaattgggtt	58380
tgtattgtaa	gccatccgat	ctgtgggtatt	tcgttataaa	agccctataa	aatgaataca	58440
gtaggtaata	ggagagcttc	tatacattga	aaaagtcgga	tggccagaaa	aacctagaca	58500
ctcctgttca	gacctgagca	gggtgatgga	cctgctttgg	gacaggagag	gggaagagat	58560
gaaccagcca	cccagccca	gctgagccca	ttctcagca	ggcgtccct	gggcccagac	58620
ttgcacaggt	gtgaaagagc	ctgtcttggt	cttcaggggc	tcattggagt	ggacggagaa	58680
tggtgtagac	tcaagaacac	gtcatcgggt	tgcccggtt	tatctgaatg	ggatgtgttt	58740
ctagggtgtg	ctcatcccca	aagaagaatt	aatcaggtct	cttgggctaa	aaagaggttg	58800
tggcatttgt	gtgtattaat	aactgtgggc	ggacagtaaa	ttatgttaaa	ctgcttatgg	58860
gaaggcacaa	tggaaagaaa	cactttgtta	cagaaggaaa	aaaaaggtga	ttattttaaat	58920
gaggtgcctt	tgaaggtcac	catgccaaaga	ggagcccatc	acatgatagt	gctggctttc	58980
atgttcagga	gatcaggagg	gtccgtccgc	tggcttttat	gacaccctag	acagagctga	59040
gagtgtaatg	tatgaatgga	ggggaagtgg	agagagggga	ggccaaatgt	ttggtgggaa	59100
tggaggggtca	ctattggagc	cattaggaaa	tacacaagca	tgaattatgc	tggaggacag	59160
aacagtgttc	ctggggaata	ttgtgttgct	ttgggagctg	ctgaacatac	aggagtttca	59220
ctgttcctag	ttctcaaatt	ctctagactc	tctggacaac	ccagttttaa	atattgggaa	59280
tataggtaag	acacattcgt	tattaaaaat	tattaagaga	agatgtagga	agaaatttaa	59340
agtaatccat	ttggttatga	aaatttagtt	acagcgaact	gtgatgtccg	tttcttactt	59400
ggaataatgg	aatgtaagtc	attagtcctc	tcaacggttc	atttttccat	aacctcaaat	59460
tacaaaactg	ctgagtaatt	tctgaattg	cccaccatag	aaactgacct	cacatttcct	59520
caatgagaaa	ctgccagtc	cgttgatcca	gcctcgttct	tcccatcagg	gattttgtat	59580
ctctgtggac	gtgtggcaca	gtgctgcata	tccatcggca	tatggcctca	ggaaaggcgc	59640
cagcctatcc	atgcatgatg	aagcttactt	aggggatgaa	gcccgcagtc	tgggtgagcc	59700
agtgccaaac	gctgaaagaa	tcaactgcct	ggtgtatgat	gcttttatga	aaacaagccc	59760
agggcctctt	gcattcttct	gtattagatt	ctctggtgaa	gatttttatt	cattttcgcc	59820
tgaatttgcc	acataataat	acctggaagc	attacaataa	actgatttgg	aagttaactg	59880
acttctcgtg	gaggttaaaa	tgagtgtcag	gtgcatagtg	agacagaccg	gagacatgga	59940
tgcatagcaa	acttgtgtct	accatggttt	ctatcttagt	tagggaaact	tctgtacctt	60000
ccttagatgt	tcaggcactc	cattgaggac	cctggcataa	cattattttat	tgacagacca	60060
tagctcaaag	tatagaactg	gatactacca	aggaggatat	actattacta	ttttatcttt	60120

atcttataaat	atactcttcc	atctgaggtg	aaaatttaate	cagatggtag	aacttattgc	60180
agttactaca	gcatttttagc	aaatcaaaaag	ccgcagaaca	aacatatgga	cagatggcag	60240
gtatgttttc	ggaatcgtaa	acaagttcgt	gatgactgta	aaaccaaggg	gtgtctcacg	60300
agggtctgaa	acctctcaca	atgaaacaac	acaatgagga	tctttgaaaa	gtactctgac	60360
ctcctggtag	gctggetgat	atggaggctg	agctccatgt	agaaagccaa	aggaatttct	60420
gcaggacgtc	atcatgccaa	gcacagccgt	aaacctgggtc	ccagcccttt	tcacacgctc	60480
aatggttaga	tcttggggagg	gaatcaaaga	agccatagta	aaatatcaaa	atttaaacc	60540
cgattttgaa	tttaaaaagt	gttaaaatat	ggttgtggcc	tacactcaga	aaatctgtgt	60600
ccttcagatg	gtttctcagt	ggcaccagat	ggtttcaagt	ggctattcat	taagtttctc	60660
agtgaatta	ccagacatag	aataaataaa	ttgtcactgt	cttaaatcaa	cccatgggaa	60720
aggaaaactg	tgtaaatata	gcagagagga	aacattgtctc	aagggaaaaa	caatctccag	60780
aaagtattgt	taaagaaaca	gaggccctct	ttccagccag	cgccgagcga	tgggcacctc	60840
tcgggacaa	tggcacaagg	gccgcaaagc	tgggggcaag	agaaggccct	gccacaagaa	60900
gcggaagtat	gagttggggc	gcccgactgc	caacagcaag	actgaccctg	gccgcataca	60960
cacagtcgt	gtgcgaggag	gtaacaagaa	atactgtgcc	ccgaggctgg	acgtggggaa	61020
ttctcctgg	ggctcagaat	gctgcgctgg	tgaacaaggg	gtcatcgatg	ttgtctacaa	61080
tgcatacaat	aacgagctgg	ttcgtacca	gaccgtgggtg	aagaattgca	tcgtgcccat	61140
cgacagcacg	ccctaccgac	agtgttacga	gtcccactgt	gcactgcccc	tgggcccga	61200
gaaggggagcc	aagctgactc	ctgaggaaga	agagatttta	aacaaaaaac	gatctaaaaa	61260
aattcagaag	aaatatgatg	aaaggaagaa	gaatgccaaa	atgagcagtc	tcctggggga	61320
gcagttccag	cagggcaagc	ttcttgctg	catggcttca	aggccgggac	agtgtggccg	61380
agcagatggc	tatgtgctag	agggcaaaga	gttggagtctc	tatcttagga	aaatcaaggc	61440
ccagaaaggc	aaataaatcc	ttgttttgc	ttcaccatg	taataaagg	gtttattgtt	61500
ttgttccaa	aaaaaaaaaa	gaaagaaaa	gaaacagagg	catcacactt	actagaaaaa	61560
catattctat	ttcatatatt	atggggatat	gacgtgatgt	tttgacatat	gcgggcattg	61620
tgaattatt	aaatcaagta	aataaacatg	tcacatccct	cacatactta	ttttttatgg	61680
tgtaaacgtg	taaaatctac	tctcttatca	gttttcaagt	atatagtaca	ttagtatcat	61740
ggaagtcacc	atgctgtgca	atagatcttc	aaacgaatcc	cttctatcta	accaaaactc	61800
tgtacccttt	caccaacgtc	tcagctttca	catgcccctg	acgccagccc	ctggtaggca	61860
ccattctact	ctctactctg	agttcaacat	tttttagattg	catgtgtaag	tgagatcatg	61920
gagtaatttt	ttataacctgg	cttatttcac	tcaacataaa	gagtc aaatg	ctcaacatca	61980
ctaatacatca	ggggaatgca	aattaaaacc	acgataagat	atcacctcac	acatgtttaca	62040
atggcttagt	ctcagtcctgt	ctttttgtta	ctataaccga	ataccagaga	ctgggcaatt	62100
tctaaagaaa	aggaatttat	gctttatggt	gcttgagtca	gagaagtcta	atatcaaggc	62160
actggcatct	cacaagggcc	ttctcactgc	ctcatctcac	agcagagggtg	ggtgagcaag	62220
agaccatttg	tcacagagag	aaaagagacc	atctttttatt	agaaattcac	tcctataata	62280
actaaccac	tcatttgata	gtgacagtaa	tcatttcattg	aggacagagc	cttcatgact	62340
tgatcacata	ataaaggctc	cacctctcaa	cactgttgca	ttaaagatta	tttcagatc	62400
ctaaactttg	ggagacacat	ttaaaccata	gcattccatt	cctaatatca	aaatttatgt	62460
ccttatcaca	atgcaaatta	cattcattcc	atcccaattg	tctccaaagt	cttatccagc	62520
atcagtga	aagtctgaag	tccaaagtct	catctaaatc	agatatgagt	gtgactcgag	62580
gcacaaattta	gectgatata	aattgtttcc	atctgcgagc	ctataaagtc	aaaacaagtt	62640
atctactttc	aaatacagtg	aacaatgggg	caggtagggg	atagaaattc	ccattccaaa	62700
gctcagagag	aggcaaggag	aaagcgggtc	ctagttcaaaa	acccaacagg	gaaaaaaaca	62760
ttaagtotta	tagctggaaa	atcatcctct	ttaacggcat	cttgtgcaca	ctggggagg	62820
ggatggggccc	ccaaggcctc	cggcagctct	gctctatat	atcttctggg	ttcagtcac	62880
tcagccgctc	tcacaggtgg	gactctcagg	cctctagctc	tcctaggtctg	actggaaact	62940
ctttgtggta	cctccaaacc	cacatttctg	cttggcattg	tgctaagggc	ccagtgtggt	63000
gactctgtct	ctgcaacaag	tcactgcccg	agaccttagg	ctgtccttag	gctgcccgag	63060
accttaggcc	gtccacagca	ttctttgaaa	tctagggtgga	gaaagccatg	ccctcggtgt	63120
tcttgatttc	tgcacacctg	cagaattaac	aacacatgga	tgccatggaa	gttgatgact	63180
tgtaccatta	aagtgatggc	ttgagccaca	cctaggtcct	cctgagccac	agcatgggca	63240
ggcaaggagt	gctgtgctg	gacaccggga	aaagtgcctg	aaagtgcctg	ctagaagtc	63300
ggccatagat	ttccttcaaa	tttctccac	catataacct	cgttcatggc	tctgaacttc	63360
caccttacag	aaggacctag	ggatgaacac	aattcagcca	cgttctttgc	cactttatgg	63420
caaggatggc	ctttgtccca	ttttccgatg	agctattctt	ctttttctcc	tgagacctca	63480
tcagaacggc	ctttattgtc	cacggttcta	ctgacattct	aatggtcac	acctaaataa	63540
tctctaagaa	gtttcagaat	ttcctcacag	ctctctctct	ctgagtcctc	aaaagaatca	63600

63660 63720 63780 63840 63900 63960 64020 64080 64140 64200 64260 64320 64380 64440 64500 64560 64620 64680 64740 64800 64860 64920 64980 65040 65100 65160 65220 65280 65340 65400 65460 65520 65580 65640 65700 65760 65820 65880 65940 66000 66060 66120 66180 66240 66300 66360 66420 66480 66540 66600 66660 66720 66780 66840 66900 66960 67020 67080 67140 67200 67260 67320 67380 67440 67500 67560 67620 67680 67740 67800 67860 67920 67980 68040 68100 68160 68220 68280 68340 68400 68460 68520 68580 68640 68700 68760 68820 68880 68940 69000 69060 69120 69180 69240 69300 69360 69420 69480 69540 69600 69660 69720 69780 69840 69900 69960 70020 70080 70140 70200 70260 70320 70380 70440 70500 70560 70620 70680 70740 70800 70860 70920 70980 71040 71100 71160 71220 71280 71340 71400 71460 71520 71580 71640 71700 71760 71820 71880 71940 72000 72060 72120 72180 72240 72300 72360 72420 72480 72540 72600 72660 72720 72780 72840 72900 72960 73020 73080 73140 73200 73260 73320 73380 73440 73500 73560 73620 73680 73740 73800 73860 73920 73980 74040 74100 74160 74220 74280 74340 74400 74460 74520 74580 74640 74700 74760 74820 74880 74940 75000 75060 75120 75180 75240 75300 75360 75420 75480 75540 75600 75660 75720 75780 75840 75900 75960 76020 76080 76140 76200 76260 76320 76380 76440 76500 76560 76620 76680 76740 76800 76860 76920 76980 77040 77100 77160 77220 77280 77340 77400 77460 77520 77580 77640 77700 77760 77820 77880 77940 78000 78060 78120 78180 78240 78300 78360 78420 78480 78540 78600 78660 78720 78780 78840 78900 78960 79020 79080 79140 79200 79260 79320 79380 79440 79500 79560 79620 79680 79740 79800 79860 79920 79980 80040 80100 80160 80220 80280 80340 80400 80460 80520 80580 80640 80700 80760 80820 80880 80940 81000 81060 81120 81180 81240 81300 81360 81420 81480 81540 81600 81660 81720 81780 81840 81900 81960 82020 82080 82140 82200 82260 82320 82380 82440 82500 82560 82620 82680 82740 82800 82860 82920 82980 83040 83100 83160 83220 83280 83340 83400 83460 83520 83580 83640 83700 83760 83820 83880 83940 84000 84060 84120 84180 84240 84300 84360 84420 84480 84540 84600 84660 84720 84780 84840 84900 84960 85020 85080 85140 85200 85260 85320 85380 85440 85500 85560 85620 85680 85740 85800 85860 85920 85980 86040 86100 86160 86220 86280 86340 86400 86460 86520 86580 86640 86700 86760 86820 86880 86940 87000 87060 87120 87180 87240 87300 87360 87420 87480 87540 87600 87660 87720 87780 87840 87900 87960 88020 88080 88140 88200 88260 88320 88380 88440 88500 88560 88620 88680 88740 88800 88860 88920 88980 89040 89100 89160 89220 89280 89340 89400 89460 89520 89580 89640 89700 89760 89820 89880 89940 90000 90060 90120 90180 90240 90300 90360 90420 90480 90540 90600 90660 90720 90780 90840 90900 90960 91020 91080 91140 91200 91260 91320 91380 91440 91500 91560 91620 91680 91740 91800 91860 91920 91980 92040 92100 92160 92220 92280 92340 92400 92460 92520 92580 92640 92700 92760 92820 92880 92940 93000 93060 93120 93180 93240 93300 93360 93420 93480 93540 93600 93660 93720 93780 93840 93900 93960 94020 94080 94140 94200 94260 94320 94380 94440 94500 94560 94620 94680 94740 94800 94860 94920 94980 95040 95100 95160 95220 95280 95340 95400 95460 95520 95580 95640 95700 95760 95820 95880 95940 96000 96060 96120 96180 96240 96300 96360 96420 96480 96540 96600 96660 96720 96780 96840 96900 96960 97020 97080 97140 97200 97260 97320 97380 97440 97500 97560 97620 97680 97740 97800 97860 97920 97980 98040 98100 98160 98220 98280 98340 98400 98460 98520 98580 98640 98700 98760 98820 98880 98940 99000 99060 99120 99180 99240 99300 99360 99420 99480 99540 99600 99660 99720 99780 99840 99900 99960 100020 100080 100140 100200 100260 100320 100380 100440 100500 100560 100620 100680 100740 100800 100860 100920 100980 101040 101100 101160 101220 101280 101340 101400 101460 101520 101580 101640 101700 101760 101820 101880 101940 102000 102060 102120 102180 102240 102300 102360 102420 102480 102540 102600 102660 102720 102780 102840 102900 102960 103020 103080 103140 103200 103260 103320 103380 103440 103500 103560 103620 103680 103740 103800 103860 103920 103980 104040 104100 104160 104220 104280 104340 104400 104460 104520 104580 104640 104700 104760 104820 104880 104940 105000 105060 105120 105180 105240 105300 105360 105420 105480 105540 105600 105660 105720 105780 105840 105900 105960 106020 106080 106140 106200 106260 106320 106380 106440 106500 106560 106620 106680 106740 106800 106860 106920 106980 107040 107100 107160 107220 107280 107340 107400 107460 107520 107580 107640 107700 107760 107820 107880 107940 108000 108060 108120 108180 108240 108300 108360 108420 108480 108540 108600 108660 108720 108780 108840 108900 108960 109020 109080 109140 109200 109260 109320 109380 109440 109500 109560 109620 109680 109740 109800 109860 109920 109980 110040 110100 110160 110220 110280 110340 110400 110460 110520 110580 110640 110700 110760 110820 110880 110940 111000 111060 111120 111180 111240 111300 111360 111420 111480 111540 111600 111660 111720 111780 111840 111900 111960 112020 112080 112140 112200 112260 112320 112380 112440 112500 112560 112620 112680 112740 112800 112860 112920 112980 113040 113100 113160 113220 113280 113340 113400 113460 113520 113580 113640 113700 113760 113820 113880 113940 114000 114060 114120 114180 114240 114300 114360 114420 114480 114540 114600 114660 114720 114780 114840 114900 114960 115020 115080 115140 115200 115260 115320 115380 115440 115500 115560 115620 115680 115740 115800 115860 115920 115980 116040 116100 116160 116220 116280 116340 116400 116460 116520 116580 116640 116700 116760 116820 116880 116940 117000 117060 117120 117180 117240 117300 117360 117420 117480 117540 117600 117660 117720 117780 117840 117900 117960 118020 118080 118140 118200 118260 118320 118380 118440 118500 118560 118620 118680 118740 118800 118860 118920 118980 119040 119100 119160 119220 119280 119340 119400 119460 119520 119580 119640 119700 119760 119820 119880 119940 120000 120060 120120 120180 120240 120300 120360 120420 120480 120540 120600 120660 120720 120780 120840 120900 120960 121020 121080 121140 121200 121260 121320 121380 121440 121500 121560 121620 121680 121740 121800 121860 121920 121980 122040 122100 122160 122220 122280 122340 122400 122460 122520 122580 122640 122700 122760 122820 122880 122940 123000 123060 123120 123180 123240 123300 123360 123420 123480 123540 123600 123660 123720 123780 123840 123900 123960 124020 124080 124140 124200 124260 124320 124380 124440 124500 124560 124620 124680 124740 124800 124860 124920 124980 125040 125100 125160 125220 125280 125340 125400 125460 125520 125580 125640 125700 125760 125820 125880 125940 126000 126060 126120 126180 126240 126300 126360 126420 126480 126540 126600 126660 126720 126780 126840 126900 126960 127020 127080 127140 127200 127260 127320 127380 127440 127500 127560 127620 127680 127740 127800 127860 127920 127980 128040 128100 128160 128220 128280 128340 128400 128460 128520 128580 128640 128700 128760 128820 128880 128940 129000 129060 129120 129180 129240 129300 129360 129420 129480 129540 129600 129660 129720 129780 129840 129900 129960 130020 130080 130140 130200 130260 130320 130380 130440 130500 130560 130620 130680 130740 130800 130860 130920 130980 131040 131100 131160 131220 131280 131340 131400 131460 131520 131580 131640 131700 131760 131820 131880 131940 132000 132060 132120 132180 132240 132300 132360 132420 132480 132540 132600 132660 132720 132780 132840 132900 132960 133020 133080 133140 133200 133260 133320 133380 133440 133500 133560 133620 133680 133740 133800 133860 133920 133980 134040 134100 134160 134220 134280 134340 134400 134460 134520 134580 134640 134700 134760 134820 134880 134940 135000 135060 135120 135180 135240 135300 135360 135420 135480 135540 135600 135660 135720 135780 135840 135900 135960 136020 136080 136140 136200 136260 136320 136380 136440 136500 136560 136620 136680 136740 136800 136860 136920 136980 137040 137100 137160 137220 137280 137340 137400 137460 137520 137580 137640 137700 137760 137820 137880 137940 138000 138060 138120 138180 138240 138300 138360 138420 138480 138540 138600 138660 138720 138780 138840 138900 138960 139020 139080 139140 139200 139260 139320 139380 139440 139500 139560 139620 139680 139740 139800 139860 139920 139980 140040 140100 140160 140220 140280 140340 140400 140460 140520 140580 140640 140700 140760 140820 140880 140940 141000 141060 141120 141180 141240 141300 141360 141420 141480 141540 141600 141660 141720 141780 141840 141900 141960 142020 142080 142140 142200 142260 142320 142380 142440 142500 142560 142620 142680 142740 142800 142860 142920 142980 143040 143100 143160 143220 143280 143340 143400 143460 143520 143580 143640 143700 143760 143820 143880 143940 144000 144060 144120 144180 144240 144300 144360 144420 144480 144540 144600 144660 144720 144780 144840 144900 144960 145020 145080 145140 145200 145260 145320 145380 145440 145500 145560 145620 145680 145740 145800 145860 145920 145980 146040 146100 146160 146220 146280 146340 146400 146460 146520 146580 146640 146700 146760 146820 146880 146940 147000 147060 147120 147180 147240 147300 147360 147420 147480 147540 147600 147660 147720 147780 147840 147900 147960 148020 148080 148140 148200 148260 148320 148380 148440 148500 148560 148620 148680 148740 148800 148860 148920 148980 149040 149100 149160 149220 149280 149340 149400 149460 149520 149580 149640 149700 149760 149820 149880 149940 150000 150060 150120 150180 150240 150300 150360 150420 150480 150540 150600 150660 150720 150780 150840 150900 150960 151020 151080 151140 151200 151260 151320 151380 151440 151500 151560 151620 151680 151740 151800 151860 151920 151980 152040 152100 152160 152220 152280 152340 152400 152460 152520 152580 152640 152700 152760 152820 152880 152940 153000 153060 153120 153180 153240 153300 153360 153420 153480 153540 153600 153660 153720 153780 153840 153900 153960 154020 154080 154140 154200 154260 154320 154380 154440 154500 154560 154620 154680 154740 154800 154860 154920 154980 155040 155100 155160 155220 155280 155340 155400 155460 155520 155580 155640 155700 155760 155820 155880 155940 156000 156060 156120 156180 156240 156300 156360 156420 156480 156540 156600 156660 156720 156780 156840 156900 156960 157020 157080 157140 157200 157260 157320 157380 157440 157500 157560 157620 157680 157740 157800 157860 157920 157980 158040 158100 158160 158220 158280 158340 158400 158460 158520 158580 158640 158700 158760 158820 158880 158940 159000 159060 159120 159180 159240 159300 159360 159420 159480 159540 159600 159660 159720 159780 159840 159900 159960 160020 160080 160140 160200 160260 160320 160380 160440 160500 160560 160620 160680 160740 160800 160860 160920 160980 161040 161100 161160 161220 161280 161340 161400 161460 161520 161580 161640 161700 161760 161820 161880 161940 162000 162060 162120 162180 162240 162300 162360 162420 162480 162540 162600 162660 162720 162780 162840 162900 162960 163020 163080 163140 163200 163260 163320 163380 163440 163500 163560 163620 163680 163740 163800 163860 163920 163980 164040 164100 164160 164220 164280 164340 164400 164460 164520 164580 164640 164700 164760 164820 164880 164940 165000 165060 165120 165180 165240 165300 165360 165420 165480 165540 165600 165660 165720 165780 165840 165900 165960 166020 166080 166140 166200 166260 166320 166380 166440 166500 166560 166620 166680 166740 166800 166860 166920 166980 167040 167100 167160 167220 167280 167340 167400 167460 167520 167580 167640 167700 167760 167820 167880 167940 168000 168060 168120 168180 168240 168300 168360 168420 168480 168540 168600 168660 168720 168780 168840 168900 168960 169020 169080 169140 169200 169260 169320 169380 169440 169500 169560 169620 169680 169740 169800 169860 169920 169980 170040 170100 170160 170220 170280 170340 170400 170460 170520 170580 170640 170700 170760 170820 170880 170940 171000 171060 171120 171180 171240 171300 171360 171420 171480 171540 171600 171660 171720 171780 171840 171900 171960 172020 172080 172140 172200 172260 172320 172380 172440 172500 172560 172620 172680 172740 172800 172860 172920 172980 173040 173100 173160 173220 173280 173340 173400 173460 173520 173580 173640 173700 173760 173820 173880 173940 174000 174060 174120 174180 174240 174300 174360 1

ttctgataag	tgtttgcaaa	ggaggccatg	aggatatgca	cctgtctctg	tgagcagagg	67140
gacaacttta	aatagactgg	gaggcagatt	tgctctgagt	ggtttccagc	ttgacggggc	67200
ccaagatatt	ttcctttcac	aatctggtaa	cttcaaacaa	aacttcaaag	ccacaacaaa	67260
acaacacaac	aacaaaaaga	ataagacatg	ggtacttatt	aagagtagaa	aaacattcag	67320
tccccagga	aaatatgtgc	agtgtctacc	tccacatgac	aaaggagtaa	gcagtgtgag	67380
ccacagaaag	gagcactatt	aaccacacaga	gcaaccgaga	ataacacggg	tgatgcgagg	67440
gcattggacg	cacatcattg	cattttgtag	attcagaaag	aaacggaaaa	gattgacggg	67500
ggtaaaaagag	acagccctgc	ttccctctcc	cttttccctc	cccgatgagg	cctcacagcc	67560
atgaccctca	gctcatccc	gcagtgcagc	agctgcctgc	ctgtccaggc	ccacccctcg	67620
ccccgcctgc	ggactgttac	ctcattccct	cccgaggtcc	aggtgcccc	cggggtgtgg	67680
tgcgggagcc	tggtggggcc	ctttgttctc	tgctcagggtc	tcctggggag	ggacgcagcc	67740
accgcagctg	gttggggcct	ggcttcgccc	aggacagtc	tttcccttcc	cattgtcttt	67800
ggatgactat	cgtctgggctg	ggacatgagg	cgggcagagg	cgcgggtcac	ccttaggacc	67860
cccctcttgc	tgtctggggct	ctgggcgctc	ctggctccgg	tccggtgttc	tcaaggccgt	67920
cccttgtggc	actatgcctc	ctccgaggtg	gtgattccca	ggaaggagac	acaccatagc	67980
aaaggccctc	agtttcccg	ctggctgtcc	tacagcctgt	gttttgggg	caaagacacg	68040
tcattcacat	gcggaggaaa	caccttcttt	ggcctagaca	tctgctggtg	acaactcagg	68100
atgaccaagg	agtcttgacg	atgggtgacc	cctacatccc	tccagactgc	tagtacctcg	68160
gctacctgga	ggagggtgct	ctgtccatgg	tcaccgtcga	cacgtgctat	ggggacctca	68220
gaggcatcat	gaggctggac	gaccttgctg	acgaaatcaa	acccctccag	gattccccga	68280
ggtttgaaca	tgttgttttt	cagatagtgg	ccgagcccaa	cgcaacagg	cccacattta	68340
gagatgatga	caatgagaca	gacccctgtg	tctctgaagc	aaatgacagc	atgaatccca	68400
ggatatctaa	ttcgtctgtat	agttctcata	gaggcaatat	aaaaggccac	gttcaatgtt	68460
ccaattcata	ttatgcata	tatggcaata	ttacaacttg	ttccaaagag	gtggtccaga	68520
tgttcagtct	cattgacagc	attgctcaaa	atattgatct	gcggtactat	atztatcttt	68580
tgaccatata	taataatcgt	gaccagccc	ctgtgaatga	atategaatt	cagagtgcga	68640
tgtttacctt	ttttaaaaca	actttttttg	atacttttca	tgttcattca	tccacactac	68700
ttattaaata	cgtgccacat	gaatctaact	atgaacctga	aaggtataac	ttctgttccc	68760
gtatagccct	gttacacatt	ggtactccag	gcagacatta	tttattggta	gccgtcataa	68820
taaccacagc	acagatgaga	agtattggtc	tggagtatga	tgataactac	tgcacatgtc	68880
agagaagggc	ctcctgcatt	atgcagcgat	ttcctgggat	gacagatgcg	ttcagtaact	68940
gttcttatgg	acatgcacaa	aattgtttta	tacattcagg	cgggtgtgtt	tttgaaacac	69000
ttgctcctgt	gtataacgaa	accatgacaa	cggttcgtctg	tggaaacctc	atagtggagg	69060
ggaggggagga	atgtgactgt	ggctccttca	agcagtgtta	tgccagtatt	tgtgtccaaa	69120
gtgactgtca	cttaacaccg	gggagcatct	gccatatagg	agagtgtctg	acaaactgca	69180
gcttctcccc	accagggact	ctctgcagac	ctatccaaaa	tatatgtgac	cttccagagt	69240
actgtcacgg	gaccaccgtg	acatgtccc	caaacgttta	tatgcaagat	ggaaccccg	69300
gcactgaaga	aggctactgc	tatcgtggga	actgcactga	tgcgaatgtg	ctctgcaagg	69360
cgatcttttg	tgtcagtgtc	gaggatgtc	ccgagggtctg	ctatgacata	aatcttgaaa	69420
gctaccgatt	tggacattgt	attagacaac	aaacatatct	cagctaccag	gcttgtgcag	69480
gaatagataa	gttttgtgga	agactgcagt	gtaccaatgt	gacccatctt	ccccggctgc	69540
aggaacgtgt	ttcattccat	cactcagtga	gaggagggtt	tcagtgtttt	ggactggatg	69600
aacaccatgc	aacagacacg	actgatgttg	ggcgtgtgat	agatggcact	ccttgtgttc	69660
atggaaaactt	ctgtaataac	accagtgcra	atgtgactat	cacttcactg	ggctacaact	69720
gccaccctca	gaagtgcggg	catagaggag	tctgcaacaa	cagaagggaac	tgccattgcc	69780
atatagggctg	ggatcctcca	ctgtgcctaa	gaagagggtc	tgggtgggag	gtcaacagcg	69840
ggccaccctc	aaaaagaaca	cgttccgtca	aacaaagcca	gcaatcagt	atgtatctga	69900
gagtgggtctt	tggctgtatt	tacgccttca	taattgcact	gctctttggg	acagccaaaa	69960
atgtgcgaac	tatcaggacc	accaccgtta	aggaagggac	agttactaac	cctgaataac	70020
actaatccag	cctcccgatc	cctgtaaaaga	tacagagaat	ataacagcaa	aatctatgaa	70080
acaggatcag	gggaagggat	ggcaaaagctc	aagtccacat	ttcttgaagt	ccacagggaag	70140
cacagggtcc	tgtttcacat	cacagggaac	cgggagggcat	tggcttctgt	cccaggttct	70200
tgtaggctgc	tgattctcac	tctgaaataa	atcttcaaaa	acacacattg	gtgccttcca	70260
cattttcttta	gactcctctg	ggagcccaaa	cttggccaga	acctcttgcc	tggagagaca	70320
tgaatgagca	tctggctctt	gtcctgaggt	ctctgggtcc	agaattaacg	gaagttgcc	70380
ccagctcctt	acagggaaca	ttcatgacat	ttctccagaa	gagagctcca	gagcaatgag	70440
cttctcatt	ccccaggtaa	tctgtccttc	tctaaacccg	aagtcagttt	agggtgatcc	70500
agggctactc	cctgttccct	gtctgttcc	cacgggggtg	ctgtgggctt	tgcagtgaga	70560

gggacttggg	ttcaaatccc	ccaccaagca	aatcccccta	cctggggccg	agcttcccgt	70620
atgtgggaaa	atgaatccct	gaggtcgatt	gctgcatgca	atgaaattca	actagaaaaa	70680
taggtagacg	tgaggggcaa	gctgtctgtc	atttagtggtg	agctctgtga	gtggcagctg	70740
ccccctttct	tcctgcccc	acatttctct	gaactgaaac	aggaagggaa	gctgagtaag	70800
tcgtgatgag	gaagagaaac	caggcttgta	gcagcacagg	ctgggtccggg	tggaaaacag	70860
ggctaggtgt	atcactgagt	tattgtaaag	gaaaatggaa	gttaaattgt	taaataactg	70920
aatgagataa	cattttatct	taacttaaaa	ttcacactaa	tattgacttt	taaaatgcag	70980
tgtagatatg	tcagagagaa	tttcaaaggc	aaagcccacc	gacggaagaa	atcacccctc	71040
ccataccatc	cacagaaaa	tggttggtatt	ctagggtagt	actgagatct	agcatttttc	71100
tgaatacatc	tgtggttcta	gatgtcctgc	ttccatagat	attgtttaga	attcccacc	71160
ctttctccaa	acacagcttg	atatcccttc	tctgaacctg	ttagaaattt	cctccattca	71220
gctgtcataa	agatgcgagc	aatccattcc	tgtgcccctg	tcagtgtgtt	ctattatttt	71280
gtggctgaac	gctaattggc	agttaagtgt	gaggtcagtg	aatacagtg	cctccctcta	71340
tgtgtccttc	gggtgtgagg	ggttttgctg	atagagcagc	aggcccccac	ccacccttta	71400
tgcattctcc	ccccccacct	cacgtctccg	ctgacctctc	ccctgtggcc	tggggcgctc	71460
cccaggggga	atgacctctc	ctctctccag	ggcccaccca	ctcagtgcct	gtgcaagacc	71520
accacgcttg	gcacggcccc	acctcgtgtc	agggcctgtg	tcccctgccc	caccccctaa	71580
acagatggga	accactggga	ctctgctcag	ggcagggggc	ggaggtatgt	gtgaaaggaa	71640
ggcaaatgtg	cactctgttg	gagaaatatt	ataggtagtt	tgagcaaaaa	atctaattgc	71700
atgggaactt	ttagaatgat	acgtattttt	acaaagaaca	tgaccaatag	agtttgtatt	71760
gaagccagga	aaacactatt	tagagcaaca	gcaatatcaa	aaacacaagc	caacagttca	71820
ccaagaaaaa	ccaccattaa	ccccatggaa	atggtcttcc	aagagcatcg	gcacttaaat	71880
cctggaaatc	tgccctgcctc	agcacctgtt	gtccctgacct	gcccctcctgt	gtgtcctaata	71940
cactcccaaa	cacggggcct	gcactgtggg	agattcacac	tgtgccaggt	ggagggagca	72000
ggacaactgc	taacaggttg	ttggtgtgga	tgccgaggcc	acccaagcag	gtgtaaacctc	72060
ccacctgtgg	ggcaggggaag	agtgcacggg	agacatgtcc	cgggcatagg	gtgagggaga	72120
gctgtggggg	ctctgggttc	tgaagtgggt	tctgaagagg	gttctggcct	ggcagggata	72180
agaccaacca	gcatgtgagg	ccaggctgga	gtctggacct	ctgaagctgc	aagggtcatg	72240
ggctgcttgg	ccccaggggc	tgtcctgggt	ctctatggag	tactttcaaa	cattctttct	72300
tcttccaatc	cccctccttc	tctcccaaag	cctgcatctc	ccaaatcctc	tttgtcggat	72360
cctcggtctc	actctgcctc	cgtcctgagc	atcgatcttc	caattccatc	ctcttctctt	72420
ctgctatgtc	taagctgctg	tgaagccacc	tgctgtaatt	tactgcttta	tatttaatat	72480
tgtaccgtac	atctgttctg	tttccctcat	cataaatgct	tcatttcatg	ctcagcatct	72540
gagaacacaa	ggccttgctc	gctgtcacct	ccttccgttc	tctgtttcct	tcctcctatc	72600
cccatattgc	tcattcatgtc	cagtctcctg	ccatcctgaa	tgttcttgat	ggaaggtctg	72660
agatgtctca	tgagcactgt	gaagattctt	tgtaatgtga	gcttgttcca	ggcaggaatt	72720
ctccttcacc	cagccctgga	agccaagtat	aggcagatgg	ccatgctcaa	tcaaagactg	72780
agctaactta	acagtggctt	tgggttttaag	gtttctccaa	tcccaggggc	acaggatttc	72840
agggaattca	ggtgagagtc	tgggtgttac	ccttcaggag	gctgtaaaact	ccatttcacc	72900
tagtctacac	cacagactat	ggaaactata	tatatatata	gttctgtccc	tctagagaaa	72960
cctaataatgt	atatatacaa	tatataatac	gtattatata	ttatatataa	tacgtattat	73020
atattatata	tattatata	atattagagt	ttattgagga	gtattaaact	cacaatcaca	73080
aggtcccaca	gtaggccatc	tgcaagctga	ggagcaagga	agccagtccg	agtcccacaa	73140
ctgaagaatt	tgaagtctga	tgttcgacgg	caggaaagcat	ccagcacagg	agaaagatgt	73200
aggctgggag	gctaagccag	tctagtcttt	tcacgttttt	ctgcctgctt	tatatcctgg	73260
ccacactggc	agctgattag	atgggtgccc	cctagattaa	gggtgggtct	gcctttccca	73320
gtttactggc	tcaaatgtta	atctcctttg	gcaacacctt	cacagacaca	cccaggatca	73380
atactttgca	tgcttcaatc	caatcaagtt	gacactcagt	atcaaccatc	acaagtccac	73440
cccttgatcaa	cttgaaccca	tacaaatctc	ctgagatcat	acataatctt	caaataaaga	73500
caataataag	gtcataatta	cacctaatgt	aatacaacta	tcttttgtac	aaccagaaat	73560
gcaccaatcc	ccaacccaaa	tgtattatgt	taaagttaag	aacacttaaa	tgctgatatg	73620
aagtcaataa	attttatgtc	acatgataaa	ggaaaaaaga	aatgaaggaa	ttttcttagt	73680
acaagtgtgt	acatgcacaa	acatgttttt	aacaaaaaga	gaaggaaata	ctgtagacaa	73740
ttacagtcc	catttctgca	actgatcacg	tgggtgtagc	tggatttgat	gactaccttc	73800
ttctactacc	cattctgtat	tccctttgcc	ttcagcaagc	atcacagcag	gtagagtttt	73860
ttctcctagt	ggagtgatgc	aaaccttcac	tcctgaaggg	tctgggccat	ttgtagtctt	73920
gcctggattg	ggctgttgta	gtttcccggt	gaccttaatg	acagggcatg	gtaatgttaa	73980
gagacgcctc	aatggatctc	ctgtattcca	tacatattct	tccttacctc	cattgtggag	74040

taatagactg	attgcatctt	gatagtccag	gtcaatcage	ccagccaaca	ctgtaactcc	74100
cctcttagcc	tgtggactta	aaggtaggag	gggccccaaag	tggccagggtg	gaaatcttta	74160
cttccagttt	aatggaattg	ttgttgtttc	tcttgatggc	agcattattc	ccactgggaac	74220
taagacctct	aggccaacag	aatgtaatgt	catgggacca	ggaagcaaaa	attttgctag	74280
tggatcacta	ggggtgatgg	tgaatggtgc	catttccact	tccacccctt	gattcctgga	74340
tccatgaatt	atggctatgg	gagaaagagt	accatatatt	ggatgctgat	ttggagcata	74400
catggccttt	tggagagctt	tgccccagcc	ctgcaaagta	ttggagccta	gttgacattg	74460
taattgtgac	tttgaaaggc	cattccattc	ttctatcaat	ccagctgctt	caggatgatg	74520
gggaaaatgg	taagacaagt	gaatcccatg	agcatgagcc	cactgccaca	cttcttttagc	74580
cgtaaaggga	gtgccttggt	cagaggcaat	gctatgtgga	atactgtgac	agtggataag	74640
gcattccatg	actccacaga	tggtagtctt	ggcagaagca	ttgcatgcat	atctgcagta	74700
agtgtctatt	tcagttagga	caaacctctg	ccctttccag	gatggaagag	gtccaatata	74760
atccaacctg	ccatcaggta	gctcactgat	caccttgagg	aatggtgtca	tttgggtaga	74820
gacccagagc	caaaccagat	cacgccaccc	aaacccctcc	aaatctcatg	tcctctttgc	74880
atttcaaaac	caatcatgcc	ttcccaacag	tcccccaaca	tcttaactca	tttcagtatt	74940
aactcaaaag	tccaaatcca	aagtcacatt	ggagacaagg	caagtccctt	tcacttatga	75000
acctgtaaaa	tgaaaaacaa	gtcagttact	tccaagacaa	aatgggggta	caggcattag	75060
atacatgctc	ccatttcagt	tgggagaaat	gagccagaat	aaaggggctt	caggtcacat	75120
gcaagcccaa	actccagtg	ggcagtcatt	aaatcttaaa	gcttcaaaat	aatctccttt	75180
gactccattc	ctcacattca	ggcatgctt	atgcaaagt	ggggctccta	caaccttggg	75240
aagctctcac	cctgtggctt	tgcagctctg	accccatggc	tgcctctcatg	ggctttgcag	75300
agttcagccc	tctgggctgc	tctcattgag	tgcattgcagc	ttttccagg	gcacagtga	75360
agccgttaat	ggatctacca	ttctggggtc	tgaagatgg	tggccctctt	ctcacagccc	75420
cattagtcac	tgtctccagt	ggggactctg	tgtgggggct	ccaacccccc	atctcccttc	75480
tgcactgccc	tagcagaggg	tctccatgaa	ggctttgccc	ctggcgagca	cttctggctg	75540
gacatccagt	catttctata	aatcctctga	gatctgggtg	gaggatcaca	aagctgaact	75600
cttctcttcc	gcacatccct	aggcccaaca	tcatgtagaa	gccaccaatg	attggggctt	75660
tctgaagcaa	tggcctgagc	tgtacattgg	acttttttag	ccacagctag	acctggagca	75720
gctgggacac	agggcaccaa	gtcccaaggc	tccaaagaga	agctggggcc	tggacccagc	75780
ccatgaaaac	atttttccct	gataggcctc	caggcctgtg	attggaagg	ctgctgcaaa	75840
gatctccgac	atgccttgga	aacattttcc	ccattgtctt	gattattaat	attcatctct	75900
tcattactta	tgcaaatctc	tgcagccaac	ttgaatttct	ccctagcaaa	tgtgtttttc	75960
tttactacca	catggccagg	ctgcaaattt	tccaaacttt	tatgctctgt	ttccctttta	76020
aaaataagtt	cctattttcag	atcatctctc	tcaagggcaa	agttccacag	atctctaggg	76080
cagggacaaa	attccatcaa	gcttgggttt	atacatttta	gagaggcatg	agacatcaat	76140
caaatacatt	taagagacac	attgggtttg	tccagaaagg	tggaacaact	caaagctagg	76200
gcttccaggg	tataggtgaa	tttaaataat	ttctgggtga	caattgggtg	agtttgtcta	76260
aagacctggg	atagatagaa	aggtaatggt	cagggttaaga	taaagattgt	agagtccaaa	76320
gttcttttga	agtcttatag	tggctgcctt	tagagataat	aggtgacaaa	tgtttcctat	76380
tcaaatctta	gttgaactct	ttaggattgg	gaggttctag	aagaaaaaga	tctagctatg	76440
ttaatagaga	ttctttacag	atgcaaattt	tccccacaaa	agaacagctt	tgcaggggccc	76500
tttctttctt	tctttcttct	tttctttctt	tctttcttct	tttctttctt	tctttcttct	76560
tttttttagat	ggagttttgc	tcttgttgcc	caggctagag	tataatggca	cgatcttctc	76620
tcaccacaac	ctccacctcc	tgggttcaag	taattctctt	gcctcagctt	cccagtagtc	76680
tatgattaca	ggcatgcacc	accacacccc	gctaattctg	tatttttagt	agacacaggg	76740
tttctccatg	ttggtgaggg	tggctctgaa	ctcccaacct	caggatgatc	gcccacctca	76800
gcctcccaaa	gtgctgggat	tacaggcatg	agccaccatg	cccggcctgc	agggccatct	76860
cagagtatgg	caaagaaaca	tgttttgggg	taaaatatat	tgattttctt	atgtgtctca	76920
taatgttatg	ccagagtcag	tttggaaggt	aaatcatgat	atatagggtt	aaataaaaacc	76980
catctgatga	gaatttatga	tttgtagagc	atgcctcccc	agactcttta	gataggaatt	77040
tgggcaagat	gaaaaaaaaa	tcagagttta	gtcctcacta	cctaagacca	gctcagcttg	77100
gacttccatg	ttcatgtcac	tatcagcatt	ttagttcaaaa	ccactcaata	agtctctagg	77160
aagttccaaa	ctttcccttc	tcttcccttc	tcctttcaag	ttctccaaac	tgttccaacc	77220
gctgccaggga	ggtacccagt	tccaaagttg	cttccagatt	ttgagttatc	tttatagcag	77280
ttccccactc	ctggtaccaa	tttactatat	tagtctgttt	ccacagtgtc	ataaagaact	77340
gcccgaaggt	ggttaatttg	taaagaaaag	aggtttaatt	gactcacagt	gctgtgtggg	77400
tagggctcga	ggctcaggaa	acttgcaatc	atgggtggaag	tggaagcagg	catgtgacac	77460
atggcagcag	gtgagagaga	gaaagagaga	gagagggaat	gaaggaggaa	ccaccataca	77520

tggataaaac	catcagatct	catgagaact	cactcactat	caggagaaca	tgaggacagc	77580
atgggggaaa	ccaccctat	gaccagtc	cctcccacca	ggtccacccc	ttgacacata	77640
aggattacta	tttgagatga	gatttgttta	atgacacaga	gccaaaccac	atcagcatgt	77700
gacaaaggtc	taatatcaag	aatctatgag	ggggcagttc	caaaatggct	gaataggaac	77760
agctccagtc	tacagctccc	agcatgagct	acacagaaga	caggtgattt	ctgcatttcc	77820
aactgaggta	ctgggttcat	ctcacggggg	cttggttgac	agtgggggca	ggacagtggg	77880
tgcagcccac	caagagtga	ctgaagcagg	gcgaggcatt	gcctaaccac	ggaagtgcac	77940
ggggtcaggg	aattcccggt	cctagccaag	ggaagcgggt	atggacggca	cctggaaaat	78000
ccggtcactc	ccacccta	actgcacttt	tccaacgggt	ttagcaaatg	gcacaccagg	78060
agattatata	ctatgcctgg	cttggagggt	cccagcccca	cggaaacctg	cttatttgcta	78120
gcacagcagt	ctgagatcaa	actgcaagg	ggcagtgagg	ctgggggagg	ggtgcccaca	78180
attgctgagg	cttgagtaag	taaacaaggt	ggctgggaag	ctcaaactgg	gtggagttcca	78240
ctgcagctca	aggagacctg	tctgcctctg	tagactccac	ctctgggggc	aggcatagc	78300
tgaacaaaag	gcagcagaaa	cctctgcaga	cttaaatgtc	cctgtctgac	agctttgaag	78360
agagtagtgt	ttctcccaca	tggactttga	gatctgagaa	tggacagact	gcctcctcaa	78420
gtgggtccct	gaccccgag	tagcctaact	gggaggcacc	ctccagtagg	ggcagactga	78480
caccttacac	ggctgggtgc	ccctctgaga	tgaagcttcc	agaggaatta	tcaggcagca	78540
acatttgcgt	ttcagcaata	ttcgtctgtc	tgcagcctct	gctgctgata	cccaggaaaa	78600
tagggctctg	agtagacctc	cagcaaaact	caacagacct	gcagctgagg	gtcctgactg	78660
tcagaaggaa	aactaacaaa	cagaaaaggac	atccacatga	aaaccccatc	tgtacatcac	78720
cattatcaaa	gacaaaaggt	agataaaacc	acaaagatgg	ggaaaaaaca	gggcagaaaa	78780
gctgaaaatt	ctaaaaatca	aagtgcctct	ccccctcaa	aggaatgcag	ctcctcgcca	78840
gcaatggaac	aaagctggat	ggagaatgac	tttgatgagt	tgagagaagg	tttcagatga	78900
tcaaacttct	ccgagctaaa	ggaggaaggt	ggaacccatt	gcaaagaagc	taaaaacctt	78960
gaaaaaagat	cagatgagta	gctaactaga	ataatcagtg	tagagaagtc	cttaaatgac	79020
ctgatggagc	tgaaaaccat	ggtatgagaa	ctacgtgatg	aatgcacaag	cttcagtagc	79080
cgattcgatc	aactggaaga	aagggtatca	gtgattgaag	atcaaataag	agaaatgaag	79140
ggagaagaga	agtttagagg	aaaaaaaagt	aaaaagaaa	aaacaaaccc	tccaagaaat	79200
atcagactat	gtgaaaagac	caaactctatg	tctgatttgt	gcacctgaaa	gtgacaggga	79260
gaatggaacc	aagttgga	acacccctgca	gtatattatc	cagcagaact	tccccaacct	79320
agcaagacag	gccaacattc	aaattcagga	aatacagaga	acccacaaaa	gatactcctc	79380
gagaagagca	actccaagac	acataattgt	tagattcacc	aaagttgaaa	tgaaggaaaa	79440
aatattaagg	gaagaagacc	agaaaggctc	ggttaccctc	aaagggaagc	ccatcagact	79500
aacagctgat	ctctcagcag	aaactctaca	agccagaaga	gagtgggggc	caatattcaa	79560
cattcttaaa	gaaaagaaat	tlcaaccacg	aatttcatat	ccatccaaac	taagcttcat	79620
aagtgaagga	gaaataaaat	cctttacaga	caaacaaatg	ctgatagatt	ttgtcatcac	79680
caggcctgcc	ctacaggagc	tctgaagga	agcactaaac	atggaaagga	acaactggta	79740
ccagccactg	caaaaacatg	ccaaatcata	aagaccacca	aagcgaggaa	gaaactgcat	79800
caactaacga	gccaaataac	cagctaacat	cataatgaca	ggatcaaat	cacacataac	79860
aatattaacc	tttaatgtaa	atgggctaaa	tgctccaatt	aaaagacaca	gactggcaaa	79920
ttggataaag	agtcaagacc	catcagtggt	ctgtattcag	gagacccatc	tcacatgcag	79980
agacacacat	aggctcaaaa	taaaggcatg	gaggaagatc	taccaagcaa	ctggaaaaaa	80040
aaaaaaggca	ggagttgcaa	tcttagtctc	tgataaaaaga	gactttaaac	caacaaagat	80100
caaaagagac	gaagaagacc	attacataat	ggtaaaggga	tcaattcaac	agaagagct	80160
aactatccta	aatatatatg	catccaatac	aggagcacc	agattcataa	agcaagtcct	80220
tggagacctc	caaagagact	tagattccca	cacaataata	atgggagact	ttaacacccc	80280
actgtcaaca	ttagacagat	caacgagaca	gaaagttaat	aaggatatcc	agcaactgaa	80340
ctcggtctct	caccaagcag	acctaataga	catctacaga	actctccacc	ccaaatcaac	80400
agaatatata	ttcttttcag	caccacacca	cacctattcc	aaaattgacc	acatagatgg	80460
aagtaaagca	ctcctcagca	aatgtaaaag	aacagaaatt	ataacaaaact	gtctctcaga	80520
gcacagtgc	atcaaaactag	aactcaggat	taagaaactc	actcaaaaacc	actcaactac	80580
atggaaaactg	aacaacctgc	tctgaatga	ctactgggta	cataatgaaa	cgaaggcaga	80640
aataaagatg	ttctttgaaa	ccagtgagaa	caagacaca	acataccaga	atctctggga	80700
cacattcaaa	gcagagtgt	gagggaaaat	tatagcacta	aatgcccaca	agagaaagca	80760
ggaaaaatct	aaaattgaca	cctaacatc	acaattaaaa	gagctagaga	agcaagtgc	80820
aacacattca	aaagccagca	gaaggcaaga	cataactaag	atcagagcag	aactgaagga	80880
aacagagaca	caaaaaaacc	cttcaaaaaa	tcaatgaatc	caggagctgg	ttttttgaaa	80940
agatcaacaa	aattgataga	ccactagcaa	gactaataaa	gaagaaaaga	gagaagaatc	81000

tctttctagc	tgcctctaatt	atcttttttt	ctttcaacct	ttaagagtct	gatgtctgat	84540
ggctatatgt	cttaggggatg	gttggtcatgt	ataatatcat	gcagagggtta	tttgcatcttc	84600
ttgaatttga	atgttggcct	ctctgggtgag	gttgagagaaa	ttttcatgga	ggatagcctg	84660
aaatgttttt	caagtttctt	tttttctctt	tctcttctta	agggatacca	atgtgtcata	84720
gatctgggtct	ttttacataa	ttgcacattt	ctctgaggtt	ttatgccttc	ttttttatct	84780
tttggttcttt	atctttgtct	gactgagtta	attcagagaa	tcagttttta	agctctgtga	84840
ttctttctct	agcttgggtct	attctgctgt	taatacttgt	aattgtattc	tgaattctct	84900
gaagtgagtt	tttttagctct	atcaaatcag	tttggttctt	tcttaaaatg	gccatttcat	84960
ctttcagctt	ctgtatcatt	ttactttatt	tcttagctcc	cttggattgg	gtttcaacat	85020
tctcctgaat	ctcagtgatc	ttctttctct	tgcataattct	gaattctatg	tctgtcattt	85080
cagccatttt	agtcagggtta	agaaccattg	ctgggaaacc	agtgtgatta	tttgagggtta	85140
agaagacact	ctggatttta	gagttgcaga	gtttcttgca	ttattctttt	ctcactcttg	85200
tgggtctgtt	ctttaatctt	tgaagtggct	gtcctttgga	tgtttttgtc	ttttttgttg	85260
ttttttgggtg	tgtgtttttg	tttggtttgtt	catttggttg	ttttttgtct	ttatcttctt	85320
tgatactctt	gcaggtttga	ttgtggtata	aagtggattc	agttagctgt	gtttcttgaa	85380
aatcttagag	ggtccaggct	cacctcagca	ctcttgtggt	gtgttctctg	ctctgggact	85440
gggcccctgg	ctttattctc	tggccccttg	agtttagaaa	cttgctgcat	tggaggggct	85500
gaggtgttcc	cagtccattg	gccacaacac	tatagtaggg	ggtgccgggc	aaagcacttc	85560
attagagtgg	tggcagtggg	atccattctt	actcatgggt	gccagcagtt	gtggagtcct	85620
ggcaggggtgc	acatgcactc	gctgggggtg	gggtactggc	aggagcagag	tggcagcatc	85680
cctacatagg	ttcttgcctg	cagtcacagc	gcagttaggt	gcccgtgtgt	tggcagggac	85740
aggggtgggtg	ggcacacatg	cacatgcttg	ctgggtgtag	agggagtgtg	gatctgctgt	85800
gcactcatgc	cagcaaaagca	gttgggaggt	actatgggtg	gactgggtgca	catcagcaga	85860
ggctggcctg	ctggaggtct	ccaatgggtta	ggcatgggtc	gctggcaaaag	gagctatgat	85920
gagggccccc	aggaaacacc	ctgggtgggc	ttccaaggct	gtactgcaag	caggcacagc	85980
cagcctgggg	cccaggaga	ggccagaagg	caaggaaatt	ctcatttcag	atgggcccctg	86040
tcccatggac	aagaccaccc	tgttttatct	aggtcccata	gtcactctaa	ggttaaaatc	86100
tccatagagga	ggttggtgag	ccttggggga	tgggtgtccc	ctggctgtgc	tccactacag	86160
ccattctcat	gtcaaacact	ctgggcttta	cacagactgg	agtcctgccc	ctggcatctc	86220
tctaagcagc	tgtcccttcc	agcacaaagt	tccatggggg	tcattggggc	tccctgtgct	86280
aggattcttg	aggcccatgg	caacagcagg	ccactctca	cctgttcaac	tcaaccttcc	86340
cccaggagttg	cttgggagcc	aggaatgagt	cctgtgctt	ggcatcccca	tgcagggttc	86400
ccatcttcc	ccaccttcag	ctcagcatct	gtgtcctccc	ccgtctactc	tcaatccact	86460
ctcaatgcct	cccttcaaaa	gatctgcttg	gaaagcacc	gtcttctga	tgtctcactc	86520
cctccatggc	agatattcct	cctggctgca	tctagttagc	catcttgact	cgctccaaa	86580
gtctttttta	ttaccacttc	ggttaaatta	gtaactatca	ttttacaatg	gcctgtgatt	86640
ctgttttgat	caaataattt	gagcctttta	gcactctata	caaagtgtct	caaaaatcaa	86700
aatcctaaat	caagtctctg	ccttagtctt	atctctgggg	cttattaagg	ctataaaaaat	86760
taatcaccat	aaggttgtag	aagcttttta	cagcttccag	tcaggttatg	aactccagta	86820
tcaccaccto	cagcctgata	attacatata	ttggaagaaa	atcagttaaa	ggactccctc	86880
tagacccttg	aaaggtgtg	agagacaaca	tggtttcgcc	tgccttcatg	tgtcccagtc	86940
catccctgtg	gctgcctctg	tccacctcag	cttgcccact	gtcttccctt	cccaactgtc	87000
tgcctgtctg	acttctggcc	tcagtgcacg	atgcacaagac	aaggcgacag	ccccacatag	87060
accgtttaac	cagtccca	tttgcataag	ctaaatggtc	atgtcacagt	ctgttgccca	87120
ggctgggtctc	aaactcctgg	gctcaagtga	tccaccacc	ttgaacccca	aggtgtctggg	87180
attacaggct	tgagccacag	tgcacagcca	agaacccgtt	tttgagtggg	caccttgcca	87240
cacacctgta	aacgcaacac	tttgggaggg	caaggtggga	gtgtggcttg	agggcaggag	87300
gttgagggttg	cagtgcagta	tgatggcacc	acctcactcc	agcgtgggtg	gcagagttag	87360
atcctttaga	aaaaaaaaa	aaaaaaactt	gttttctctg	cagccggggt	ccgtgaccaa	87420
acacaaacac	aaacttcccc	tccagagggg	ccaggagggg	ctgggctgca	ggaggtgctt	87480
agggcctctt	aggggaatgg	aagtgaccac	ccaacgcagg	cactcagccc	caggggcata	87540
tgcagagaga	gggtccagga	ggagctgggc	tgcaggaggt	gcttaggggc	tcttagggaa	87600
tggtaagtga	ccaccacag	caggcactca	gccccagggg	catatgcaga	gagagggtcc	87660
aggaggagct	gggtgcagg	aggtgattag	ggcctcttag	ggaatggtaa	gtgaccatcc	87720
aacgcaggca	ctcagcccca	ggggcatatg	cagagagagg	ctgggaggac	actttcagtg	87780
actgggggtta	caaaccacaa	ccataagaca	ttgctggctc	tgtgagccgc	cacctccaga	87840
aatctccac	ttagttctta	gcacttatcc	actcttccct	tttctactc	tcaattcctg	87900
gaggatgccc	tcctttctca	ggctcagacc	aacctaccag	ctccactcta	gacctgaaca	87960

catgactcct	ccctctgtct	ccacctggaa	atctcatcag	tgcctcacat	ttacactcct	88020
gaaaatcagg	tcctgcctac	ccacctctct	gtctccacct	attcctgccc	tgtttcagcc	88080
agagaccttg	cagtctcctt	taactctcaa	accaccccat	gtcgtgtgag	catactgact	88140
gtgttctatg	caagaaagag	cagtttcttg	gtggctctgc	ggttttatta	gtccagaggg	88200
aaagcgttgg	cagagctggg	ttcttctgaa	ccctgggagg	gagattctgt	tttcatgcct	88260
tttccagatt	ctagaaccca	tattccttgc	tctgtgtccc	cttcttccat	cttcaaaggc	88320
catcctctca	tctctgtgtc	catcatcaca	tcacctctcc	cctgactctg	gttctcctgc	88380
ttccacttat	aagcacccct	gtgattacat	catacccacc	cagacaatgc	agggccatat	88440
tctccctctc	cgagattaat	ttaatcacat	ctacaaagtt	cctcgtgcca	tatgaggtca	88500
ctaaaccaca	tggtctgggg	gtttgaatgt	aaacatttgg	gggatgcatt	attcagccac	88560
ccacaagcac	tgctccccac	tggccacaca	ctatgcacag	ccgagatcat	gcaagtggag	88620
cacgttcate	aacagcagct	tcagcaggaa	actatatgct	ccactttcct	gccatttgta	88680
tctggatttt	tttttcgcta	tcattgtaga	aagagtggta	ttgtaaaatt	aaagatggat	88740
tattttcttt	ctagaacact	ttggcaatct	atccaacatt	atttatcccc	ttctgagtg	88800
caagtgtgag	gtcattcttt	cattgagagc	tcaatgcta	caattatgat	aatgcataat	88860
gggtactttc	acacatcaga	aagttcttct	ttcttaaaat	ctgttcttga	attattcatt	88920
cttctctage	tttttggtga	tctattttat	aatttttagaa	aaatcagaaa	gtaacttgaa	88980
gtatctgtca	tctctacagg	tttacctccc	tctttgtggc	cttcagaatg	tcatgacacg	89040
cttttccctt	gtcctacaca	tggtttctat	gtatgagacc	tcctcacagg	agctgtggtc	89100
ccccgggagc	aggcatctgt	ggatgggtgc	ttgctctctg	ctgctgggac	ctgtgtgctg	89160
ccagtggcac	tcacgacag	tgatttccca	gtcagctttt	gcagctccag	atggtgggtg	89220
agacactagg	accactttgt	gaacagcgag	ggcttggggg	ttgcttttct	accatgtcca	89280
gggctgctgt	tcattgaggga	atgtttctaa	cctgacatca	tggctgaagc	caacttagaa	89340
cctctctage	cgtatgggga	gtaggtgagt	gatacagatg	ttaattagct	cagtggagcc	89400
actcccttat	gtagacatgt	tacaaaacat	tatgctgtac	agaataaata	taggtcattt	89460
ttatgtgtca	atcaaaagag	aaactaatta	tttaaaaaaa	aaaaaaaaac	ctctctactc	89520
aagccgaaac	ctcagctcca	gtcccacaag	tcacacaagg	ctgctcccgt	cctgtgtatg	89580
ttaaacctac	ctcagaaatg	caagggggca	ttcaggtttc	attctcaatt	caaatgccct	89640
ttttaatttt	gtctattcct	agcacctggc	aaacttccagc	tctttttttc	ggggctcatt	89700
cattatttaa	agcacgtata	atttttcacc	cacattctaa	cacatgtagt	actgtagaga	89760
atccttccct	aggaggatct	acagcattag	aaaagaatta	agaactccaa	tatttacaag	89820
aaggaaaaag	caaaaagaga	tcaaaaaatg	ggcaacttct	agaaatagaa	aacctctatg	89880
agtatgatga	taaatcgctg	gcacacatgt	gaatagtta	ttgatgctta	tagtgatgtc	89940
tgggaaaata	acatgaaata	cttataatct	gtttctcaca	catgtaattc	aaaagaatag	90000
agagaagatg	atttgaaata	ttcttaagtt	tgtaggaaaa	aagctacttc	catatgcata	90060
attgcatgta	ttttgatact	gccattatta	agaactatct	aagagggtcc	attaaaaata	90120
aaatttcttg	gctgggcaca	gtggctcatg	cctgtatccc	agcactttgg	aaggccgagg	90180
caggtggctc	acctgaggtc	agaagttaa	aaaccagcct	gccaacatgg	tgaaacgctg	90240
tatctacca	aaatacaaaa	attagctggg	catggtggca	tgcacctgta	gtctgagcta	90300
cttggggggc	tgaggcagga	taatcgtttg	aaoccaaagag	gtgtagggtt	cagtgtagcta	90360
agatcatacc	accgcactcc	agcctgacag	acaaagcaag	actctgtctc	aaaaatatta	90420
aaataaaaatt	tctcattcct	attacagagt	aatttaattc	attaatgcc	tgccctgtta	90480
caaaactcat	ttgtaaaata	ctaattgtaa	ttgtgaaaaa	atggcaattg	atactaattt	90540
taaattctaa	aaacagggca	cccatattaa	agattattct	gcagtaagag	aattagctat	90600
aacattttgt	aataaggttg	agaaaacatt	ctccaactta	caatgggttg	tgagaagaaa	90660
gtttccagca	cggtagatgg	accctaagag	cccttgttga	aataataaga	caaaaagata	90720
tacagagaga	tgagccagat	gaaggagagc	agagagagag	agagagagag	agagagaggg	90780
acagaaatga	gagatacaaa	gtgaaagagg	gcaacctgtg	gggtcatcag	atatttggtt	90840
tctgttttgt	ttattctaac	ataaaggcag	tggtgggtca	tcgatgtatt	tagagtttgc	90900
acaatcactg	tggaaacacg	acagacacag	gggaagagga	gaaacacagg	gcggtggctt	90960
gcccttggac	tggtcttagt	tcctcaaaac	gtaacagctt	tgcccaacct	aagggaactt	91020
tcagcagctg	ctctcttgcc	ataggcctct	ttcctgcctt	gttttcatgt	ggctgactgt	91080
ttctgttctt	gcaggtctta	gtcctacaga	caggcattta	ttacctctgt	gtcaacagtg	91140
ggagcttcca	ttactctcta	gcatgacact	ccccctctc	ttttaggaaa	tttaacatgg	91200
aagtgtgttt	gccatcgggc	ttctccccac	agtgttaaca	gtggtgagga	agccagcctg	91260
ttccaccttg	ccctcccat	gattccaaca	ctgagttcag	acttgtcaca	tggaaacttat	91320
ctttgcatgt	ttgtggcaca	gacagatgga	cccaaccatg	gattagtggg	tggatggatg	91380
gatggatgga	tggatggatg	gatggatgga	tggatagatg	gatggatgga	tggctgagta	91440

gggtgtgtgga	tgggaagagt	aaaagataga	tggatgcatg	tatgggtgga	tgggtaggtt	91500
gatggatgca	tggatgggtg	gatggatggg	tgagtggatg	aatgggtggg	taggtgggtg	91560
gctacatgca	tggatgagta	cttggataga	taagtgagtg	gatggatgga	tggatggatg	91620
aatgggtatg	tgaagggatg	gatgtattag	agtgggtagt	taggcaggca	tgagctgata	91680
gtcaagtgat	tgttaaactg	cctctctaaa	ataataattg	gtctcggctg	gacgcggtgg	91740
ctcatgtctg	taatcccaac	actttgggag	gctgaggtgg	gcggaacaca	aggtcaagag	91800
attgagacca	tcctgaccaa	catggtgaaa	ccctgtcttt	actaaaaata	caaaaattag	91860
ctgggcgtgg	tggcgtgcat	ctatagttcc	agctactcgg	gaggtgagg	caggagaatt	91920
gcttgaacct	gggaggaaga	ggctgcagtg	agctgagatt	gtgccactgc	actccagcct	91980
ggtgacagag	caaagctctg	tctcaaataa	taataataat	aataaataat	aattgatctc	92040
agccagcgcc	aagaaaaggc	agtctcccaa	tagatagaaa	acaccgaaa	ctggtcatca	92100
gcagcttcct	gataagatct	caggcattgg	gtgagtgggc	tcaagcatat	gcactaagag	92160
gcaaagtggc	agagtttaac	tggcacataa	tcttctctta	ggaacactct	aatagtaaga	92220
gaaggacacc	tcaaattgagc	atgtgcacat	ttcattaaac	ccactgtgta	tgcagccctt	92280
cccaagtgtc	ggcaggccac	tgtacatgtg	ggcagcccac	tccaagggaa	gaatcaaggg	92340
agaagaaata	caaatcccag	aaccatgtca	atgtataaaa	ccccagtgca	agggccggac	92400
agagcactta	gatctctcaa	gtcgcccact	tagccctctt	ccaagtgtac	tttacttcct	92460
ttagttccca	ctttaaact	ttaataaaca	tttactcctg	ctctaaaact	tgcttgggtc	92520
tctcactctt	ctgtatgccc	cttggccaaa	ttctttcttc	caaggaggcg	agaatcaagt	92580
tgctgcagac	ctgtatggat	tcgctcctgc	taacagatag	ctggatgggt	ggacagatgc	92640
atgaattagt	ggatggacgt	ttggatgtgt	gggtgggtgg	gtggattgtg	ggatggctgg	92700
atgaatgcac	ggctggatgg	gtggacagat	gcataaatta	gtggatggat	gtttggatgt	92760
gtgagtgggt	gggtggattg	tgggatggct	ggatgaatgc	atggctggat	gggtggacag	92820
atgcatgaat	tcgtggatgg	acgtttggat	gtgtgggtgg	gtgggtggat	tgtgggatgg	92880
ctggatgaat	gcattggctgg	atgggtggac	agatgcatga	attcgtggat	ggacgtttgg	92940
atgtgtgggt	gggtgggtgg	attgtgggat	ggctggatga	atgcatggct	ggatgggtgg	93000
acagatgcat	gaattcgtgg	atggacgttt	ggatgtgtgg	gtgggtgggt	ggattgtggg	93060
atggctggat	gaatgcatgg	ctgggtgggt	ggatggatgc	atggataagt	ggtggacgga	93120
tggacgggtg	agtggatggg	tggatgtgtg	tgtggatggg	tggataggaa	agccctctaa	93180
ttgattacag	ggctcagtgt	gtgcttcaac	atcatgatgg	catcatcaca	ttggtccctg	93240
tatgaagcag	tgggggagga	gagtgtagca	ggggagcagg	aatgaactttt	ctccagaatc	93300
gacctctccc	acctgcagc	ctgggtgtgt	caggccacat	tggagaagg	gcggtcgact	93360
actcctaaat	gttgttgtgt	ccaatggctt	gttgacgttg	atgtaggaat	gagcctacat	93420
ctccaccata	gatggaactg	tttgggtccc	caaagcagaa	agcctcttct	gttgcagggtg	93480
ctgaagtttc	catctttctt	tgtttatacg	gaagctcacg	catcccttgg	atggcaggcg	93540
tcaggttctt	gtgcgcactg	agttcccccc	ttacatgctt	tggacagaag	tgtgagacac	93600
acaagattgc	tgcaggaggt	ccacctgtgg	ggatgctgct	acttctccag	caagaacacg	93660
agtctgtctc	ttgaccatca	ccacacataa	caaattaagt	gtcccttttt	tgataaacacg	93720
tcattgtttc	acagagtatt	cttttaaagt	gtataagttg	actgcagtta	ttatttttta	93780
cttctgttac	taatttactc	ataattaggc	acaatttaca	cttaagaaat	ttcttaatat	93840
ttttttcttc	cttaaggtga	actacagtca	gataacatac	ttatcaattg	tctctagctc	93900
ttgtcagaaa	aacatataga	tgtgtgtgtg	cgtgtgtctt	ggcctttcca	atgatgaatt	93960
aagatgtgca	ttgagaaggc	attcacttta	tttgacgtta	aggaaagtacc	aagaagacgc	94020
tctccacaga	ccctgggaaa	gccagcagct	gcaccccgag	gctgtgccag	gcagggaaca	94080
aggaggcagc	accacctgct	gggcagggaa	aatgtcctcc	cagtcctctg	cgtctctctg	94140
cagaggcaca	aagagctgcc	ccttctctct	ggccttctcc	tgggtgatg	agattgtctc	94200
ccgatatgcc	aaatcagggt	tgtgcatctg	aggctctgtc	tagactctca	gctccttctc	94260
actcctgcaa	agtgaagaaa	acaatgccaa	gggtgcctgg	aggcgtctct	acctctggag	94320
agttttgact	ctcttcaata	gtctccacta	ccctgccttc	actccatgtc	ctcgtttctt	94380
ccctaaagcg	gtgccagtc	tgattgcact	gtggcaggga	taacgagggg	ccaggacatc	94440
aggggagaga	agtttctacc	tgagtccacg	cagcggctgc	cctgcagact	cctgaagaca	94500
caagacacat	ttccatccca	gagacccagc	gaaatgcaac	ctcaggctag	agacagccag	94560
ttattttttc	ttgttctgtc	ctggagaggc	cactgagaaa	gtcgagcccc	ttgttgaggga	94620
aaacatgaga	tctctgtgtg	tcgtcctctg	cctgatggct	gtacctccat	gtgagtgtct	94680
cagagatttc	agaacggggg	ctgtgggctg	tggtgtccgc	ttgtgactca	tctctttgct	94740
tcttgtccct	gagtgtcctg	catcagatgc	agctactgga	gtcatgcccc	gggctgggtga	94800
ggtcctcaca	gacctctggg	cctggaccca	gcagccctct	gggaaggcgc	tggggcacct	94860
cagctccagg	ggcagcacac	acttcagccc	agcctttctg	ggccaactct	ccatctgtag	94920

agacacatcc	aaggcccagtc	tatccctgca	gctgagctcc	gtgatggcca	agggcagggc	94980
cgcacattcc	cgtgggagac	agaatgggga	cctcagcgtg	agcccagaca	caaactctcc	95040
tgcagggaag	cacaagacca	ccaggcggcg	ctccagacca	cacagcggcc	ccagaagcag	95100
gttttagggg	gcggggcaga	cgtgtccgcg	ttgagtcagg	tcattgggtt	tactttccct	95160
gagcaaacgg	cctctgccaa	ggactcactg	caacctctac	cttcacagtt	gttttttttt	95220
tttttttaat	caccctgtag	agttttgcta	gctaatttag	atattgagga	gtgcttcata	95280
cttcttggg	cctctgcttg	cagaaacata	gcaattgtaa	ggaggcacgt	gggaaagccc	95340
cggctcgggt	acccggggga	tgctgctgtg	gccctggcaa	gagggcgtcg	ggccgcagta	95400
acaaagggtg	agacggctct	cagcctgcgc	ccgcggagta	caacacataa	gggctgtaac	95460
ctaacgaaaa	agaatatgca	gtgcaactgt	cctgcatttg	agttttgtgat	cagttttgcc	95520
ctttgtcttt	aacaggttct	aacataaaat	tttgaatggt	ggttcaagcc	ctgtgggtaa	95580
aatgcactta	cccacattcc	ttaacaaaat	agaacactga	ggtggaaatg	ttttgaaaaa	95640
gtagttttca	gacatttgga	aacaagcatc	acaggatcat	aacccttgag	aaaagaaaaa	95700
caaatgaacg	aatcctgcta	ttgcctgaaa	gcagctgcca	ggacacacgg	aaaggcttag	95760
tgagctgagc	ggacagagag	cagagttcaa	ggcagcagca	gcccagaggg	aggagcaccg	95820
gggagcaggg	tgctgtgcag	ccaggatggg	ccgggggtggg	gcgggggggag	aacagctgga	95880
gacttgccgc	agggaggggg	atccctcagg	tttggggctg	agaactgact	tatgcctgac	95940
ttatgcctgc	atgaaaagaa	actactcgat	atcaggggga	aatcaccaga	aacctgtgga	96000
cccaaaacta	cacagagcct	acacaaggaa	agcattgttt	gtgttctccc	agccaggggtg	96060
gaaagacott	gagatatgta	aagcttcaag	caatcttccg	aagtaatctc	gtgagtagtg	96120
gtgccacatt	aattcaggac	taaaggctgc	tctgaactga	acctaagaaa	tgcttcaagt	96180
gtagcctgga	gcccgggtgc	agtggctcac	acctgtaatc	ccagcactgt	gggagccoga	96240
ggcaggcgga	tcacttgagg	tcaggacttt	gagaccagcc	tggccaacat	ggcaaaacct	96300
gtctctacta	aaaacacaaa	aattagctgg	gcgtgggtggc	agatgcctgt	aatcacctcc	96360
cacctggacc	cttccctgat	acatcagaat	tacaactaga	gatgagattg	gggtggggac	96420
acagagccaa	accgtatcac	ataggaacct	aaaaggataa	taaagtagga	aaacttccca	96480
catcagtaac	ccttttatccg	atagtaatcc	caatctgcaa	agtaaaactg	tgtgatttta	96540
ctaagataac	ggaatcttct	ctacagaagg	actttccagt	gcaaaagctc	cccacctca	96600
ccatgaaatg	cacgtgacca	tttccaat	gtgtaaagtc	ctcagttagt	actgagactt	96660
cggagggtta	gaaatccctt	tgctcatgct	gcatggctcg	gatgagatgt	aagaatcatt	96720
agctaataga	catgcaacag	cttttgtgtg	aaagatgtta	tgagacattt	aaggattttg	96780
cttgtgatta	ctaagcattc	attgtatcat	tggagcacat	gtgcttttat	acctgggaga	96840
aattccagta	attgaattgc	tgggttgaat	gggattttga	tttggattaa	attttaaacta	96900
tagattttat	ttagggaaaa	ctggcatctt	aattatgtta	ttggggggcc	cttgcctcca	96960
gagctcccaa	gatgggtggca	ggccgcttcc	aaaatgaccg	caggccactt	ccaagatggg	97020
ggcaagcctc	atgtttctctg	acctgggggt	cttggcctca	cggattccaa	ggaatggaag	97080
cttggggccat	gcagtgagtg	ttatagctct	attagaagcc	gtgggtcacg	gaagagaacc	97140
gtggaaccca	gtgactagtg	ttcagctcga	ttaggacgaa	cccaggcact	tagccgtgca	97200
ggaacaatgg	cgagcatttg	gcccgatcga	gagtggcaat	gggcgcctcg	ctggatcagg	97260
agcacagcgg	ataccctgat	ggatccggag	ggatggaagc	cagcgggtggg	tctcccacgg	97320
gggcaaacag	cagtgggtgga	cggtgagcga	aagcgaagct	cgagccgtaa	caaacatgga	97380
ccagaagagt	gcagttgcaa	gatttagtag	agtgaagaca	gagctcccat	acaaagggag	97440
gggacccaaa	gagggtagct	gttaccggct	cgaatgcctg	ggtttatatc	ccgatcattg	97500
tcctctccgc	tgtgctctca	ggtgatagat	gattggctat	ttctttacct	cctgcttttg	97560
cctaattagc	attttagtga	gctctcttta	ctatctgatt	ggtcgggtgt	gagctgagtt	97620
gcaagccccg	tgtttaaagg	tggaagtggg	caccttccca	gctgggctta	gggattctta	97680
gtgggcctag	gaaatccagc	tagtctctgc	tctcaattac	actgagtttt	ccaatccatg	97740
catccaatat	gtgggtgtatc	tcttcatatg	ttcatagcct	ctgagcaatg	ttttacaatt	97800
ttctgtgtaa	agaactccac	atcgttttat	gtttcttcta	aggtatatcc	tgattgcttt	97860
ttatgtcttc	acaagttttt	tcctttcaaa	attaattttc	caattgtttg	gtgctaatat	97920
gctcaaagt	ccttgatttt	cttagtttga	acagtcctgt	tttgttttgg	ggatttat	97980
ttttttcaga	ttctttaaga	ttttctatgt	ctataaccat	ataatctctg	aacagagaca	98040
gttttgcctt	ttcctttcaa	cttgagtagg	gttttctggg	tagttcagga	cgcgcaggca	98100
ctgggtgggt	ggtgttagca	gctgcacgat	gccttgagga	ggacactctc	gggggactgt	98160
ggccgctgct	cagctgtgac	cgttcttata	gcaccagcag	ctgcggccac	cattcttata	98220
caatttccaa	agccacacca	caggccctct	caagaacgag	gcgtggaggg	tatgccctct	98280
cctggacaca	tcatcattcc	caagccccac	gatgtggggc	ccatgggacg	cacacctttg	98340
tctgtccaga	cctcagcccc	acctctctcat	cctgcaccag	aactcttcag	agcccagtcg	98400

ctgtttctca	ggcctaattt	caggtgcaga	gcctttgggc	agggtcaacgg	catacctgtg	101940
gaaattggag	tggatgccac	agggtatatt	ctcaggtgcc	tgagtgtggg	cacatatcca	102000
ctctgccagc	ctggagttag	tatcaggtgc	tcggtggctc	aggggctctc	cctgctcagg	102060
ggagggccct	cagcagcttg	gccaaatcaa	tggtggattc	accctgggca	ggcctggcag	102120
gctcttctc	cagctggatg	tgacagcaga	ggggttgggt	tttttgctgt	gcagggccag	102180
agtcacggcc	aatcctcagc	ctaggtctctg	cacagccagg	gttgtggcat	tcagccaccc	102240
agatatgggc	atcctgaaga	tggagcccca	atgctagaaa	ggggcagtg	ctaccagcct	102300
cagggcagga	tgcactccag	aggcggctcc	ggtctcaagg	tggcgctggg	ctgcagcagc	102360
taggtcaca	gtggatgaat	gggggcagg	agtacacacc	ttgtgctcct	aatctgggat	102420
cattcctggc	agctcccaaa	cttggtcag	ggcttgcaaa	acctgtggaa	ttctcctgtt	102480
gcaagggctg	tagatgtttg	cagtggcagt	gggtgctggc	gggaaatctg	cttacctttt	102540
ccctacatgg	gaagtccctc	ctgtgtccag	accaatccga	tctgggtggg	gaagacaagg	102600
ctgcaaaggc	caggtgcctc	catgctgcc	tccgatcacc	acgggtgcgt	ttccacacct	102660
ccactgcaat	cogtcagtct	cccttcaaca	ctccagtcac	accttagctg	ttctctcttt	102720
gccttattcc	ttctcctatg	ggaggggtgtg	ggtgaacacc	aggcttctct	aagtctctca	102780
tccatcttgc	tgatgtcatt	ctccatccag	gcattgggtt	ttagaagta	gtgaatactg	102840
aaatttcagc	agaggacacc	tctataaaaa	ttctgcaact	ggaaaacctc	cttaaatgtg	102900
ctgattgtca	ttacaattgg	aggaaaactg	ccaataat	caaatttaga	aggctgagac	102960
tctataaaca	aagactaaca	atatgttttc	tgatatTTTT	ccccaaaata	atacttttcc	103020
aagacgaaaa	tttttccagg	gtatataaag	acatgtgctc	caatgataca	acaaatactt	103080
actaatcata	agcaaatacc	ttaaatgtct	tataacatct	ttcacacaaa	agctgttgca	103140
tgcttattag	ctaaaaattc	ttatgtctcg	tccagatcat	gcagcatgag	caaagggatt	103200
tttgaccttc	aaaagtctca	gtactaactg	aggactttac	acaaattgga	aatggtcacc	103260
tgcatttcat	ggtgggtggg	gggagctttt	gcactggaaa	atccttctgt	agagaagatt	103320
ccattatctt	ggtaaaatta	catagtttta	ttttgcagat	tgggattacc	aactgataaa	103380
gggttactga	tgtggaagtt	ttcctacttt	attctcctat	taggttctta	tgtgatattg	103440
tttggctctg	tgtccccacc	ccaatctcat	ctccaattgt	aattcccatg	tgtccaggga	103500
gggtccagg	gggagtgtat	agatcaagg	tgggtttttc	caggctgttt	tcatgatagg	103560
gtgttatcat	gagatatgat	ggtttaaaag	tggcagggtc	ccctgctctc	tctctgcct	103620
gctgccacat	aagacgtgcc	ttgctttccc	ttcaccttct	gccatgattg	taagtttcc	103680
gagggctccc	cagccatgcg	gaactatgag	tcaattaaac	ctcctctctt	tataaattac	103740
ccagtctcag	gtagtattct	tatagcgggt	tgaaaatgga	ctaatacact	atggctttga	103800
attaataatt	taaaatttgt	cagcttggca	ataaaacatc	ctgttgacat	ttatttttta	103860
ggtaatat	taaattggca	gtttcattca	tgtttttaca	aattcttatt	ttcagggtgt	103920
ttaaaggcct	tgttttgaa	ttgggtgggt	cttacaactc	atgctgttag	tgaagaggga	103980
ccagggtggg	aggcattgg	ttgggtgggt	gtcaggaagg	gcagagtgat	ttgagtggg	104040
tctgagtgg	taatagctca	tcagtgtgga	atttataaat	gaccagggat	gatttaagg	104100
gattcctgcc	agacacctat	gccatggcca	tgccttatct	ggatctccag	ccgtgagatg	104160
agaacccagc	catgcggggg	agtctgttcg	ttctgtctca	tgttgtaagt	ggcacatgct	104220
attggataat	gtagaattga	atggatatca	ttttattatt	ataatttaca	aacttccctac	104280
aataaaactta	tcacctttat	acatagaaac	aaatataagt	acattttccc	tcccctatgt	104340
catttttgagc	cctctctcca	aaccatcctc	ccactctgog	actcactgtc	ctgcattttg	104400
ctatgtctctg	gcaagtctctg	cttagacaag	cactcaccag	accacctact	cagcctccct	104460
tcagcgccca	cctggccccc	ctgctcaaat	acatgttgag	tggtcacaca	catggactga	104520
acaccatcta	ttccatgcac	tgcctcagtg	accgcactga	gcagcaagag	agaaatgatc	104580
gcattagcta	tcaattatgc	caattcaaat	gctggagtct	ttctcagata	cttttcaatg	104640
ttcaagaatt	gttgattgtg	aattctatac	ccaatgaaac	tatccttcag	aaatgagcag	104700
aaaatggata	ccttctcaaa	taaacaaaaa	ctaaaagaat	tcttgctaca	agatgtactc	104760
ttaaagactg	gctaaaggaa	gttcttcaaa	cagcaaggaa	attgaattga	tcttatgtcc	104820
tgcacacttg	ctaaatttcc	tctcaatttt	agcagcaactg	tttagattcc	ataggatttt	104880
ccatacaaac	agtcattgtg	tctatatata	gagacagatt	ttctcttttt	ccagtgggga	104940
taaatttatg	tctttttctt	tctgtgttat	agcaggtagg	acctccagta	caatgtttaa	105000
cagaagtggg	gaaaacagac	attcttgctc	gtttcctaac	gttgaggttt	ggtcttttac	105060
tatgggtgtca	gatgttagct	gtagggtttt	tataaatgcc	cttcatcaca	ttgaggaagt	105120
ttgtctctat	gcctaatttt	ctgagagtct	tttaatgtga	cactcatgct	agaatttatt	105180
aaatgctttc	tgtctactaa	gatgattatg	cagttcttat	attaacatga	ataattacat	105240
ttatttatct	tttaatatca	aggcaatttt	gcattcctga	gacaaacccc	atttagtcat	105300
catgtgttgt	tattgtttaca	tattgttgg	ttcaattttc	tcaaaatttg	ttaagaattg	105360

ttacatctat	gtttacaagg	aagattagtc	tgtagggtat	tttttcttat	aataactttg	105420
cctagttttg	caatcagggt	aatgctggac	tcacagaatg	agttgggaag	ctatttccctc	105480
ctcttcattt	ttctgaaaga	atttgtataa	aattggaatt	atatcttccct	taaagggtttg	105540
caagatttca	taatgaagtc	attggcctag	agttttcttt	gtgggaaagt	ctttgtttgt	105600
ttgttttgtg	gtttgggttt	ttttttaaga	gacacagtct	cactctgttg	cccaggctgg	105660
aatgcagtg	tgtaatcata	gctcacagca	gcctcaacct	cctgggctca	agcaatcctc	105720
ctacctcagc	cttcagagta	gctgggacta	cgggcatgta	ccaccacacc	cagctgtttg	105780
tttgtttgtt	tatcgctttg	tcttgttttt	gaggctctat	tatgttgccc	aggctgggtct	105840
tgaactcctg	gcctcaagta	atcctcatgc	ctcagcctcc	cacagtgcctg	gaattacagg	105900
catgagccac	tgcacacaga	ctgtgggaaa	gtttttaact	aaaaattcaa	ttttctcttc	105960
cttttccagt	gagctttcca	gtgtctttca	attaatgtat	ctattttatc	taagtgtttg	106020
aattttattgt	caaaattttt	ttaaacaata	ttcctctctt	agagggttgaa	catctgtaga	106080
atctgtagtg	atggcacctc	ttaaatecct	gatcttgctc	atctgtgtcg	tctctctttc	106140
tctaatcagt	atgcctaaag	tttaatttca	ttgattttct	taaaaaactg	gttttgggtt	106200
tattgatttt	tttccctagt	tttttgtgtt	acatttcatt	gaattctgct	ctgatattta	106260
ctatttccct	tctactgcct	acagtaagtt	taatttgcta	ttttcttagt	ttcctaaagt	106320
ggaagctaag	tttattgact	tgaggccttt	cctctgtctg	gatgcggata	tttgcgtcta	106380
aacatttccc	tccaacacca	tgctgtgagt	tttagttaca	gcgggcttgg	agttggcctg	106440
agaaattcta	cttaaacagc	tgcacctatc	atgtaagtga	taaatgatgt	acctgcctgg	106500
ccctcacccc	tggtcaaaga	atgggatgta	ctaattgagca	atgttgctgc	gtagctgtgg	106560
atttcaagg	attttctgtg	tggttttatc	atcagcattg	tttgttgatg	actgcaagac	106620
tgatgatttg	cacctggcct	cggtagagtc	cccgaagac	cctgcagatg	ggctgggttac	106680
ttagcagaaa	atatgacaac	gtggccagca	ggaaacagga	aggtacaatc	ggctgcaggt	106740
gagctgttgg	aagtaagttc	caattttcct	attttgtatt	tgcattttta	tagtgagact	106800
gcgcttatgt	tatttgtgtg	aaacagcttt	attcatagca	ctgtaattta	aagagaaaac	106860
ccattcatgg	gaacaacaaa	cgacctagac	accaaggtag	ctcatgccat	ccaaggctat	106920
actgtgcagt	gattgggaaa	atgggcaactg	gtcccagaag	tctgatcgac	actctgccac	106980
tggttagtcc	cgtgctgggg	ggcgaggatc	cacactctgc	cactgggttag	tcccatgctg	107040
gggacaagta	tccacactct	gccactggct	agtcccgctg	tggggggcga	ggatccacac	107100
tctgccactg	gttagtccca	tgctggggac	aagtatccac	actctgccac	tggctagtcc	107160
cgtgctgggg	ggcaaggatc	cacactctgc	cactgattag	tgtgtgaag	atttaaataa	107220
agaaccacca	ccatattctt	tgacttgtgc	tttccgtata	ctgagagata	gtaagagtac	107280
attattatta	tttataaagt	aaactagaaa	gcacatggga	agacaagaag	aaaacctgaa	107340
taaacatgaa	ttaccccatt	ttcctcagga	gaaaactttc	acactctgaa	ggtacacaaa	107400
ttagcctaca	aatttaatgt	aaagcaaata	gactgttgta	ggtaccaatt	ctcaatgtca	107460
cagtgttaca	tggaaagtaa	aatacacaa	aacagcccaa	aagatggaaa	caatggacgt	107520
ggtcaaatga	catcagtaca	acatccatat	ggctcctaagt	agccatcttt	aaaatgggtt	107580
agaaatgcct	tcaatcattc	acacagacac	atgcattgaa	caaactctaa	gaagtgttct	107640
tacacgggaa	aagcaagtta	cagatgcattg	ggcatgatat	ggatgtagat	gtgtgtatgt	107700
gcattccact	catacacaaa	atacccagca	tgcgccacat	gcctgctgtg	tgcgtaagtg	107760
tgagcgagt	cacagacaac	agcgtgcaga	aattcaaacc	aagctgtggg	tacttgtttc	107820
cactgggaag	ggagtcggtc	acagagggaa	agagaaacag	gacatcagcc	tttgacttca	107880
gaactgttcc	tgccttttca	catcctgtgc	tgttttcagc	atcatcggag	cccttaacac	107940
acatcacggg	agtaagagtg	tgttagaggg	agcattcggg	gggacagata	ttgccatggc	108000
ttgtggatag	agttcacagt	ccttaataat	ccccgagatg	gcagccaaga	gctacgttct	108060
caatcacgca	gcttcacccc	agaaactgac	agaaacccaa	caaccaaag	gtgtccattc	108120
tgacagcctc	agcctgtgct	ggctcagatg	agcaaaaatg	tacagatatt	aataatgatg	108180
ttgatttgaa	gagcacagag	gggggtatgc	atgataaggg	tccaaatttt	taccttaaaa	108240
aagaatacat	ttacttctca	atcacctaca	taacgatcat	tttttaaaaa	actgatcaaa	108300
tttgggtgta	caagggcacg	ttgcaaatc	ttctggctac	ttttctctga	ctattctaat	108360
taegttaaccg	tgttttctcc	tgtatgtgcc	cgttcattgtg	aatgtcattt	ctggctactt	108420
ttctctgact	attctaatta	cgttacogtg	ttttctcctg	tatgtgcccg	ttcatgtgaa	108480
tgtcaattct	ggctactttt	ctctgactat	tctaattaca	ttaccgtgtt	ttcctgtatg	108540
tgcocgttca	tgtgaatgtc	atttctggct	acttttctct	gactatttca	attacgttac	108600
catggtttct	cctatatgtg	cccgttcattg	tgaatgtcat	ttctggctac	ttttctctga	108660
ctatttcta	tacgttaccg	tgttttctcc	tgtatgtgcc	cgttcattgtg	aatgtcattt	108720
ctggctactt	ttctctgact	attctaatta	cattaccgtg	ttttcctgta	tgtgcccggt	108780
catgtgaatg	tcatccaggc	agatttccca	aatccggctt	cctgtaacca	agggctgaaa	108840

cttaaagctg	actcaaggag	aaatggaaat	cataattgga	acagtaatcc	tcaagaaagc	115860
attaagatta	ttaaataatt	gccctcacag	atgacttcag	gccaagatgg	ctttatgggt	115920
gaagtttaga	ctttcacaaa	actaatcagt	tcccataaga	actgctccag	gatttggagg	115980
aacatgggaa	agtctattaa	agggatcaca	attcacagtc	cccagagtaa	aacatgggct	116040
aacttgcat	ttggcaaaga	gccaaatggt	ataaatgaca	tctagaagg	ccaaattctg	116100
tccatctcgt	tgaacaagga	cttacaccag	gaatttagaa	ctatttatag	ctcatccac	116160
cactcagggc	aatgatgacc	catgatcctc	tcaccagaaa	tggaaagact	cagatgatta	116220
atagagtctc	aatttctctg	agacatctaa	gagcccagcc	caagcccaga	cccaggaggg	116280
caccagggc	tggacagaga	acactgatat	cacaccagcc	ctccagaggg	aagcagagac	116340
tccttcaagc	tctggaaaaca	caggcccaga	cagctgccc	aagttgggca	ggcttcactg	116400
caaaccctaaa	tcataagagc	aggtaacacc	tttacagatt	ctttacattt	aaaaatcctc	116460
aaaacaagag	taaataataa	actcaataaa	tattaatcta	atatgtaaaag	gtcttgtacc	116520
attattatgc	aaacaacata	cataagctaa	taagaaaaag	aacaaatccc	ttaagaaatc	116580
ggcaaaaagg	atataacaca	atttctaaaa	gaaaacaaat	ggctagcaca	cataaggaaa	116640
acactttgtg	aacagacatt	cttcagaaca	ttatttataa	ttataaaata	gttgaaagca	116700
agatagtgcc	tgaagaaatt	atggtgcata	cattagtggg	actattctgc	aaacattccc	116760
aattatactt	gtcacatata	tgtgataacg	tgacagccag	cattcatggg	gtgacctcat	116820
ttggtaaaaag	ggtgcaaagc	tcaacacgca	ttgtgagatg	actgtggtgt	aaaatttagt	116880
ttcatattcc	gcaaacattc	ccaattatac	ttaccgcata	tctgtgataa	catgacagca	116940
ttcatggggt	gacctcattt	ggtaaaagg	tgcaaacgctc	aacacgcatt	gtgagatgac	117000
tggtgtaaat	acaaagacca	aactgtgaaa	aggagtcctc	caattaatcg	atgcttacct	117060
tcagttttgg	gctaattttt	aaagtatgct	ataagcatat	gctcctgtta	taacagaatg	117120
gagggattat	gagagatgat	gcaggtgtgt	cctgggcctc	ccctggccca	ctgggccccta	117180
gagatgcctt	cccaggcctc	gctgtcaggg	cttccctcag	agggagtcct	gtattgacct	117240
caccaccaag	gtctggagca	ggggatcctt	agatattggg	tggggttatc	tcaccttagg	117300
tctgaatatg	gggttgtctt	agactgtttt	gtgctgttag	aatagaatac	ccaagactgg	117360
gaaatttata	ctgaacggaa	atatttttct	cacagttcta	gaggctgtga	agtccaagag	117420
cacaggtgcc	agagcaagtc	caagagcaag	ggaaagtcca	aagcaagtcc	aggagcatct	117480
ggcgaggacc	ttcttgcctg	gtcatcacat	ggcggaaggc	aagaaagaga	gcaagagggg	117540
gccgaactca	cccttttata	acagcaccaa	tcccacccat	gaggtgggga	ccttatgacc	117600
taatcactct	tcatactgtt	acaatggcaa	tgaaatttca	acatgagttt	tggaggagag	117660
aagcattcaa	accacagcaa	gggtgtcctc	acctcctctc	tcagggcctc	tgcagaaaga	117720
gctgcaactg	cacgtccttc	ctcgtccat	cctccatccc	ttcccaatgt	ccgtgcatat	117780
cctgtgaccc	aggaggtctg	gcataggggg	tgctcctgcc	ttaggtctga	ggcctgtctt	117840
gaagaggggt	aggtgaggag	gccatctgat	ggtctggggc	aagacagtca	caggacgcat	117900
catttatcat	caaggaggct	gagggttgag	tctccaggte	cagggaaactc	cccacaaagt	117960
gggaaccctg	cccagctcca	cacagcctct	gctgggggac	cctgctctgg	tgcagagcct	118020
ggggacaggt	cttgagctca	gccagagtct	gctccctgt	catttaggaa	ctaaaccaag	118080
cggcaggatg	ctggagccca	gccccatct	gaccttacag	ggccaaggct	ggggccctgg	118140
gttccctctc	aggcgcagca	ggactggagc	cccaggcagt	gcaggagtgg	ccaaagctgg	118200
ggcttctctc	agagccccc	agcatcacgc	caccaagaag	ggtaggacc	tggcctgagg	118260
aatttgcacc	aaagccccag	aaactacctt	ggacaccatg	gagagaggcc	tggaggggaa	118320
gcaccaggca	ctgcctcccc	ttctgatccc	acctgaggtg	gctgccaaagc	ccagagagcc	118380
gctctgatgt	ccccagccc	tgcagcccag	ggatacctgt	actgtgcccc	tgggggaccc	118440
ctggccagtc	tgtgcaaaga	agtcaccacc	ctacactcag	agacagtggg	ggtcctcgtc	118500
ccacatctct	agagcatggc	ccggctgctg	cagggatggg	ctcctgggtc	tcagagcatg	118560
gcccggtctg	tgcagggatg	gtctcctggt	cctcagagca	tggcccagct	gctgcaggga	118620
tggtctcctg	gaggcccccc	agtgtctctat	tgctcagggct	ccctccaccc	ccccgcacca	118680
agagagagcc	agaccccagc	aaggcttcca	gtggcttcag	gtcacacccc	taggctgacc	118740
ccagccccat	taacacctgc	ctgagaaaagc	tccacgcacc	agaactgacc	gtctgtctca	118800
actcttgacc	tcctgttctc	agggcgtctg	ctgaaaaggc	tgcaactgca	catccttctt	118860
ccgtccgttc	cogatgtccg	tgtgtctcct	gtggccagga	aggtctttct	cgggacctga	118920
gagccgctcc	ctgaagtgtc	ccatttggga	aggtatggggc	ctgtgtctcc	aggtctctggg	118980
aggacagaat	cctgacctca	acagtggccg	gcacggacac	aactggcccc	atccccggga	119040
cgctgaccag	cgctgggcaa	cttttccctt	ccccgacgac	tgagccccga	gcacctctcc	119100
tgctccctca	ccacctccct	ttacaaggct	gtggcctctg	cacagatgat	aatggagctt	119160
ggctcattcc	cctagagctg	gtagggagtt	aaggacaaaa	ctcagtttcc	tccactgaa	119220
ctcaagtctg	cctatgttta	cctaatacaca	cctggtggac	agtttggaca	aacttgca	119280

ltgaaagatg cccagatcc aacagccaa tccctgggac ctagatagat gtagaaccaa
 136740
 gctcatatcc agtaccatcc gccaatlgcc tggatcccaa tccctggctg aatcaagaa
 136800
 gcaagcatccg ccaagctccc aacagggcag aatccctccc gtagagccctc
 136860
 lgtgttccc agtgccaggg cccctccacg tcccctccac tggccatlag gaaacacac
 136920
 ccatctgtc ccccaaccc aaaaagaccc cctaggagcc agtccctggccg ggaacccctgg
 136980
 tagagacagat cctcggaggg cctcggaggg agtccctggccg ggaacccctgg
 137040
 ccagggccagc agtggatggac gctggagctg ggcgccacat gggccatccac
 137100
 ccagggccagc agtggatggac gctggagctg ggcgccacat gggccatccac
 137160
 ccagggccagc agtggatggac gctggagctg ggcgccacat gggccatccac
 137220
 ccagggccagc agtggatggac gctggagctg ggcgccacat gggccatccac
 137280
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137340
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137400
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137460
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137520
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137580
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137640
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137700
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137760
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137820
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137880
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 137940
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138000
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138060
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138120
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138180
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138240
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138300
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138360
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138420
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138480
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138540
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138600
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138660
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138720
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138780
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138840
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138900
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 138960
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139020
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139080
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139140
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139200
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139260
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139320
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139380
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139440
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139500
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139560
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139620
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139680
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139740
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139800
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139860
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 139920
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 140040
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 140100
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg
 140160
 gctccctccg agtccctggccg ggaacccctgg cccctccg agtccctggccg

gcgtgaaccc	ggaaggcgga	ggttgacgtg	agccgagatc	acaccactgc	actccagcct	161100
ggcgacagag	caagattcca	tctcaaaaaa	aaaaaaagac	aaagaaatth	gtttttttga	161160
ataaagacaa	atttcacac	acgaagataa	agatgcaaag	ctccagacag	gaaggcacgg	161220
acagcacagt	gaagcccggg	gcggggcgtg	ggggggccagg	ggcatggcgg	gggtgccagc	161280
gtctctcggt	tctaccatg	gccactccag	cctgtgttct	cacgaggatg	gctgtgcaat	161340
gctaggagcg	tgttcgaagc	tctagggcaa	ccactggaag	tgaggctgag	gagcagagcc	161400
cagaggcccc	tggagctgat	gaaaagaaa	ctggagaaa	tgtttgcctg	ctcccaacat	161460
ggtaagaaaa	gatagaaa	gagagcacac	ggcaaaggga	gcttgcctgag	ggactcttta	161520
caatggcttg	cacagagctc	aggggggtctg	ggaggctagg	gccctgcgca	gggcagtcac	161580
cccagcctgc	tgaccaaggt	ttgctgcagg	cagctctggg	ggtgggttgag	gcgcgggtccc	161640
tggagccacc	cctcaaggga	acgaggcagc	agagtgggcc	aaggcccagg	tccgctgcaa	161700
ggctgcccag	gacttgggg	ccttacatca	gcagccactg	atgcagctgg	cccagagaga	161760
ggcgccgagc	aggttgctc	caggggacaa	accaggtcgg	agagggtgag	gcagtggatg	161820
gagccacaac	aaccccgggc	acgggtgaca	cgcacgttca	tgcacatctg	accttctctc	161880
cctcaccaaa	cagggtcccc	tgccttcccc	atgggtgcga	aaaagcaaaa	tgtagacgtt	161940
ttttcttttt	taattcatgt	tttaattgac	aaatgaagcc	gtatataatt	attgtgtaca	162000
acatgatgct	ttaaaatatg	tatacatcgt	ggaacagcaa	cgttgagcta	atttaacacg	162060
cattacttca	catacttgtc	atcttttgtg	gcgagaatgc	ttaaaatcca	ctctcttagt	162120
atthttttaag	aatgcaatac	attgttgtca	actgtggtea	ccgtcatgca	tagccaagct	162180
cccagcctca	ccctcctgcc	agctcaggct	gtgcacctct	tcaccagcat	ccccacccc	162240
ggcccttggt	cctggtaact	accactctat	actctacgta	tgagttcage	tttttaagat	162300
tccacagatg	aatgagatca	tacagtattt	gcttctctatg	cctggcttat	tttagttaac	162360
acactgtcct	ccagatccat	ccgttgtttgc	aaatgacagg	gtttcattct	ttttaagtc	162420
taaagagtat	tccatttgtg	caatggacct	catttgcttt	atccatgcat	caactatgga	162480
catttagggt	gattccattt	cttagctgtt	gtggatgggtg	ctgcagttaa	catggggctg	162540
cagatgtctc	ttcaacatac	tgacatcatg	tcctttggat	aaatacccag	tagtgggatc	162600
gctggatcac	aatgtacagt	ttttttttta	atggaaaactt	tcattttttg	gtgaaattag	162660
gaaaacagat	aaaacccaca	gaatccaaaa	tatatgtgaa	gatgccaaaa	acagttgaca	162720
ttgggcagag	gtcacatgga	aggaagtga	tacatgacgg	ggtgtgaggg	cccagaggca	162780
gctgaaatac	gctttctaaa	cacaaggacc	tcttctgaga	gggcagaagt	tttatcctgc	162840
acatgcaatg	accagcacag	ctaaaataca	ctttctaaac	atgaggacct	cttctgagag	162900
ggcagcttta	tcttgcaaat	gcaatgacca	gcacaggacc	cagaataaag	agagttgcca	162960
gcggacgcct	ggtgtccatg	tgctccaggtg	agttcgagat	gcggacggcg	ctggccagcc	163020
agtcacaccc	taagtcaatc	tgctgcacgc	atthgtcctt	gccacagcag	aaaacgagaa	163080
agcctttggg	ctgcaaagct	tcacaggctc	ctcttctccc	gactccatgg	aaacagctac	163140
aaagagcagg	cccagtagag	cttaattcat	gaaaatgagt	aataaacttg	aactggaaca	163200
gtatcgactt	tttagaaaag	gcagcaaaag	gtataaaaaa	tattcaccag	aacaatatth	163260
ccaaacgatg	agatgagaat	ttcagccaag	taatcctcca	tggatagaaa	ataatgaagg	163320
gattggattt	atgaaggaaa	atcatggagc	tcaaatacaa	gaaaagagaa	tcaaaaatga	163380
acaggaggag	ataaaatatg	gtttggccaa	agttacaaaa	taaatthttt	aaaaaccctt	163440
catcatggca	agtagaaa	gcgagaggaa	aaacagatcc	cgtggaagac	acaaatagga	163500
catggggaga	aaaatgaatg	agatgaaaca	gagcagaaat	aaaatthttac	ggaactaaag	163560
acaagtgatc	tgaacctgcc	tggggcctgg	gggacctcgc	cacctgaag	ggaaagaaca	163620
tgcttggtcg	gctttgccac	ctgctcattg	cagagcccca	cagcttgcaa	caaacatagg	163680
cggtagccag	ggagtgggtt	cagcaggcct	tgagcaagac	ccagtgttgt	gctgacttca	163740
ggtctgacct	agcactgtca	tagtgggtgt	gtccatagtg	gtagtggggg	tgcttgtgtc	163800
actccacccc	catctccagg	aggctcagaa	cagacagaga	gagactccat	ttgtttggga	163860
gaaagtaagg	gatgagaaca	agagtctctg	cctggtaatc	cagagaatta	ttctagatct	163920
tggccaagat	tatcaaagca	gtacctctat	gagtccttht	ggcttggagt	ccccctaaag	163980
cagatatagc	taagatcaca	acacccaagt	cctthtgaat	atgtgggaag	acttcccaag	164040
gacaggagca	aacaaacaag	cccagactgc	aaaaaaacaa	gccgagactg	caataaacac	164100
ctcactcttc	aatgcccagg	cactgaagaa	catctcctag	cagcaacacc	atccaggaaa	164160
acatggcctc	aaccagtga	ctaaataagg	caccagggtac	cagtctcgga	gaaatgagag	164220
tatgttatct	ttcagagaat	tcaaagtagc	tttgttgagg	aaactcaaag	aaattcaaga	164280
taacacagtg	aaggaaattca	gaatcctatc	cgataaattt	aacagagatt	gaagcaatta	164340
aaaagaatta	agcagaaatt	atggagctga	aaaatgcaat	tggcatactg	aaaaatgcat	164400
cagagtattt	tcatagcctc	atatatcaag	tagaagaaag	aattagttag	cttgaaaaca	164460
ggctatttgg	aaaagcacga	taaaaggaga	caaaagagaa	aagaataaat	aacaatgaag	164520

catatctaca	ggatctagaa	aatagcctca	aaaggccaaa	tctaagaatt	attagcctta	164580
aagaggaggt	agagaaagag	ggatggagag	tttattcaaa	gggataataa	cagaaaactt	164640
cccaaaccta	gagaaagata	tcaatatcca	aatgcaagaa	ggatgtagta	caccaaggag	164700
atttaatgca	aagaagacta	cctcaaggca	ttcaatactc	aaactcccat	atgacaagga	164760
ctttaaaaag	atcctaaaaag	cagcaaaaaga	aaagaaatga	ataaaatact	atggagctcc	164820
aatatgtctg	gcagcagact	tttcagtgaa	gacttttatat	gccaggagag	agtgtcataa	164880
tggattttaa	gtgctgaagg	aaaaaacttt	taccctcgaa	cagtatagct	ggtgaaatta	164940
tccttcaaac	atgaaggaga	aataatttgt	ttccagacaa	atggtgaggg	atttcatgaa	165000
caccagacct	gtcttttaag	aaatgctaaa	gggagtactt	caatcagaaa	gaaacacggt	165060
agtgaacaat	aagaaatcat	ctgaaggcac	aaaactcacc	ggtaatatga	agtacacaga	165120
aaaacacaga	atattataac	actgttaactg	tgggtgtgtaa	actccttttg	tttgtttgtt	165180
tgtttgtttg	tttgtttttg	tttttagacg	gagttttgct	ccagcccagg	ctggagtgcg	165240
atggcacaat	ctcagctcac	tgcaacttcc	acctcccggg	ttcaagcaat	tctcctgcct	165300
cagcctccca	agtagctggg	attacaggca	tgtgctacca	tgtccagcta	attttgtatt	165360
ttagtagaga	cggtgtttca	ccatgttggg	caggctagcc	ttatcttgag	tagaaaaact	165420
aaatgatgaa	gcaatgaaaa	ataataacta	caacttttca	agacatagta	caataagata	165480
taaatcataa	caaaaagtta	aaaggtggag	ggatgaagtt	aaggcataga	gtctttatta	165540
gttttctttt	tacttgtctg	tttatgcaaa	cagtgttaag	ttgtcatcag	tttaaaataa	165600
tgggtcataa	gatactattt	gcaagcctca	tggtaacgtc	aaaccaaag	caatacaaca	165660
gatacacaaa	aaacaaaaag	caagaagcta	aattacgtca	tcagagaaaa	tcaccttcac	165720
taaaagggaag	acggagaaaa	gaatgaagag	agagaagacc	aaaagcaaat	agcaatatgg	165780
caggagtaag	tccttactta	tcaataatac	cattgaatgt	aaatggacta	aactctccaa	165840
tcaaaagaca	tagagtggct	gaatcaatta	aagaaaaaac	aagaccatt	gatctgttgt	165900
ccacaagaaa	cacactttat	ctataaagac	acacatagac	tgaaaacaaa	gggatggaaa	165960
aagatactcc	acgccaatgg	aaaccaaaga	aagagcagga	gtagctacac	ttatatcagg	166020
caaaatagat	ttcaagacaa	aaactataag	aagagacaag	gtcactaatg	ataaacaggt	166080
caattcagca	agaggatata	acaattgtaa	atatatatgc	acccaatgct	ggagcaccga	166140
gatataataa	gcaagtattt	actagagcta	aagagagaaa	tagactccaa	tgcaataata	166200
gctggagatt	tcaacatccc	actttcaaca	ttgaacagat	cctccagata	gaaaatcaac	166260
aaagaaatat	tggacttaat	ctgcactatc	gaccaaatgg	atctaacaga	tatttacaga	166320
acatttcatc	caacagctgc	agaacacaca	ttcttttctc	cagcacatag	atcattctca	166380
aggatagacc	atatgttggg	tcacaaaaca	agtttttaaaa	tattcaaata	cattgaaata	166440
atatcaagca	tcttctgtga	ccacaatgga	ctaaaactag	aaatcaataa	caagaggaat	166500
tttggaact	atataaatat	atggaaatta	atgaatgctg	agtgggtcaa	tgaagcaatt	166560
aagaaggaaa	ctgaaatttt	tcttggaacg	aatgatcatg	gaaacagaaa	ataccaaaac	166620
ctatgggata	cagcaaaaagc	agtactaaga	gggaagttta	cagctacaaa	tgcttacatt	166680
aaaaaagaag	aaaaacttca	ataaaaaaac	ctaacaatgc	atcttaaaga	actagaaaag	166740
caagaggaaa	tcaaatccaa	aattagtaga	agaaaacagt	aaaggtcaga	gcagaaataa	166800
gtaaaattga	aatgaagaaa	acaatacaaa	agatcaataa	aacaacaggt	tgttttcttg	166860
aaaagttaaa	caaaattgac	aaacctttag	ccagactaag	aaaaaaagac	agaagatcca	166920
aataaataaa	atcagagatg	aaaaaggtga	cattacaact	tacaccacag	aaattcaaag	166980
gatcattagt	ggctactata	agcaactata	tgccaataaa	ttggaaaatc	tagaagaaat	167040
gcagaaattc	ctagacacat	acaacctccc	aagattaaac	caagaagaaa	ttcaaaacct	167100
gaacagactg	ataacaagta	atgagatcaa	agccgtataa	aaaagcctcc	cagtaaagag	167160
aagcccagga	cccagcggct	tactgtctga	attctaccaa	acattttaaag	tagaactaat	167220
accaatccta	ctcaactat	tccaaaaaat	agaggtggaa	ggaatacttc	aaaactcatt	167280
atacgaggcc	agtattaacc	tgacacccaa	actagacaaa	gacacatgaa	aaaaagaaaa	167340
ctacaggcca	atatgtctga	tgaatattga	cacaaaaatc	ctcaacaaaa	tactagcaaa	167400
ccaaattcaa	ctacacatta	gaaagttcac	tcatcatgac	caagtggaa	ttatcttaact	167460
tgggatgcaa	agatggttca	acatatgcaa	atcaatcaat	gtgatacatc	atatcaacag	167520
aatgaacaac	aaaaaccatt	tgatcattta	attgatactg	aaaaagcatt	tgataaaatt	167580
caacattcct	tcataataaa	aattctcttc	tatactaggt	acaaaagaaa	cttacctcaa	167640
cataataaag	ccattatatga	cagtcccaca	gtatgatact	aaatgaggaa	aaactgagag	167700
cctttcctct	acgatctgga	acatgacaaa	gatgccact	ttcatcactg	ttattcaaca	167760
tagtactgga	agtcctagct	ggagcgatca	gacaagagaa	agatataaaa	gacatccaaa	167820
ttggaaagga	ataagtcaaa	ttatcctcat	ttgcatatgg	tatgatcttc	tatttagagc	167880
taactaaaga	ctccacccaa	aaaagttatt	agaactgacg	aacaaattca	gtaaagctgc	167940
aggatacaaa	atcaacatac	aaaaatcagt	agcattttcta	tatgccaaca	atgaccaatg	168000

tgaaaaagaa	attaaaaagt	aaccctat	acaataacca	caaataaaca	cctaggaatt	168060
aaccaaagag	gtaaaagatt	tctgtaattga	aaactataaa	acactgatga	aagaaattga	168120
agagtacacc	aaaaaatgga	aagcaattgc	atgttcattg	attagaagaa	tcagtgttgt	168180
tataatgtcc	atactatcca	aagcaatcta	cagattcaat	gcaatcctta	tcaaaatacc	168240
aatgacatca	ttcacagaaa	tagaaaaaaa	aaatcctaaa	atttacgtgg	aaccacaaag	168300
accagaata	gccaaagctc	tcctaagcaa	aaagaacgaa	actgtaggaa	tgacattgcc	168360
tgtcttcaaa	ttctactaca	gagctataga	tagtaaccaa	aacagcgtgg	tactggcata	168420
aaaacagaca	cagagacaaa	cagaacaaaa	tttaaaaaacc	cagaaataaa	tccacacacc	168480
tacagcaaat	tcatttttga	caaagttgcc	aagaacatac	tctgggggaat	agataatgat	168540
atctcttcaa	taaatagtgt	ggggaaaact	ggatatccat	atacataaca	gtgaaactag	168600
acccctctct	ctctcactat	atacaaaaat	caaatcaaaa	ttgtttaagg	acttaaatct	168660
aagacctcat	actatgaaac	cactgcaaga	caaccttggc	ggaaactctc	caagacatca	168720
gtccaggcaa	agatttcttg	agtaatatcc	cacaagcaca	gacaacccaa	gcaaaaatgg	168780
acaaatggga	tcacatcaag	ttaaaaagct	tctgcacagt	aagggaaaca	accaacaaaa	168840
tgaagagaca	accacagaa	tgggagaaaa	tatttgaaaa	atacccatct	ggcaagggat	168900
taaaaaccag	aatatatgca	gaatatataa	ggagctcaaa	cagtgcata	gaaaaaaaaa	168960
tctaataatc	tgatttaaaa	atgggaaaaa	tgttagaata	gacatttctt	aaaataagac	169020
atacagatgg	caaaccgaca	tggaaacggtg	ctcaacatca	tggattatca	cagaaacaca	169080
atcaatcaaa	actaaaacta	aaatgtgcta	tcacttcacc	ccagttaaaa	tggctgatat	169140
ccagaagaca	ggcaataaca	aatgctggca	aggatgtggg	gaaaagggag	ccccataca	169200
ctgttgctgg	gattgtaaat	tagtacaacc	actgtggaga	gcagcatgaa	agttcctcaa	169260
aaaactgaaa	gaaagctaac	ataggatcca	gcaatccccc	tgctgtgtat	atactacaaa	169320
agaaagggaag	tcagtatatg	aagaggtatc	tgcactccca	tgtttgttgc	agccctgttc	169380
acaacagcca	agatttgga	gcaacctaa	tgtccatcag	cagttgaatg	tataaagaaa	169440
atgtggtgca	tatacacaa	ggagtattat	tcaataataa	aaaggaatga	gattgagtca	169500
tttgcaacaa	catggatgga	actggagatc	attatgtgaa	gtgaaataag	ccaggcacag	169560
aaagacaaac	attacaatgt	tcttacttat	taatgagatc	taaaaatcaa	aacaattgca	169620
cccatgttca	taaaagagtaa	aaggatggtt	accagatgct	gagaacgggtg	gtggggggat	169680
agggaaaggt	ggcagtgggt	aacgggtaca	aaaaaataga	aagaatgaat	aagacttgct	169740
acttgatagc	acagcaaggt	ggctatagtc	agtaatttag	ttgtatatatt	ttaataatga	169800
aaggtgtata	attggattgt	ttctaacaca	aaggataatg	cttaagagga	tggatacccc	169860
atcttccatg	atgtgattat	ttcacattgc	acgcctagat	caaaacatcc	aatgtacccc	169920
ataaatatat	acatcttcta	tgtaccata	aaaattctgt	aaaataaaaat	atataaaaag	169980
aggtgacaga	tatggaagac	aggcaaagaa	gagacgacat	ccacataatc	cgagtaccta	170040
agaaagaatg	gagtcacagt	catctcagga	gccaccatcc	taagccaatt	ttctctgggt	170100
ctctcagtca	ccctaccaat	acgtgggcaa	tcttgtttta	tttcaggata	gagtttttga	170160
aattatagat	ttaaagtatg	tttctgttct	attacttttg	gtaattaatt	ttagaaagaa	170220
ctaatttggg	cacaaatttg	aaaaaattct	aatccaaaaa	aaaaaaagaa	aaaaacacac	170280
acacaatcat	ctataagggg	gatgatgacc	agtcctagat	ttctcaccag	ccacattcaa	170340
gatcagtaaa	tggtaggaca	aaacctgtag	ggtccttaag	ggggaaagaa	gtagtggata	170400
gtccagagtc	tatatacagc	caactgttct	tgaagaaaaa	aggctgctga	aaaggagtcc	170460
caaacattct	ataatccata	atctcatgat	gaaactacta	gaggaagacc	accagccatc	170520
aaaagggtgt	tggagaaccc	agggccaaga	accaaaagta	aatattaagt	gtccttaact	170580
gcgagactaa	gatagaaatg	actgtggggg	accatgtggc	ctcaacagag	gtgaaatggt	170640
gtctgcctga	caaagtggac	atttttacaat	gatcaaaaca	cagaatatga	gatagagagc	170700
acttctgaat	tactgcctca	ctccaaataa	ctctcagcca	aaggacttca	gtaaaaccaa	170760
attgggcata	ttagacagta	caaacaaatt	ctaagaaaat	aatattactg	attacaatca	170820
catgatgcta	gagatggagg	ggaaaaggaa	gaggaaaacca	ggtaatttca	tactcgtata	170880
tagtaaagaa	ctaaggtaca	ttgtccaaag	aagaacaaag	aatatttttg	aaagttataa	170940
aggtagccac	tacacataga	agatagcaaa	gaacaagaaa	acttaagatg	gaaaactttt	171000
tggaaagcata	agaatagaaa	atataaaacta	ctaagataag	attgaagcca	aacagatcta	171060
tgaaaacaac	aaacatcaat	ggccttaact	tgcctatttaa	aaggaagaga	ctttcaaatt	171120
ggaccacaag	ataaaaccca	actctatata	gcataatgat	attacacaca	aaatgggaaa	171180
agctgaaaaa	acttgggcaa	aattcacccc	aagcaaattc	cactgtttcc	tttgggacaa	171240
aatgccaaagc	tccatgccag	ggaagatgat	tctctcaga	ccttctctc	actctcccag	171300
tcctcttagg	gaagggaattg	ggtgttagag	gagggagact	ctgtcgatta	tcagctgaag	171360
cagtgggtgtg	ctctgtcggt	gcttctgacc	tgggaaatga	agcagcaaga	ctctttctgc	171420
tgtgtctttg	ccagaagggt	ccatcccccc	agagcagagt	acccaggccg	gcaggagcag	171480

gcgcctttagt	gtggctacaa	gtgcttggag	cactggggcc	agggcagccc	ggccaccgtc	175020
tccctgggaa	cgtaacccct	ccctgcctgg	gtctcagccc	gggggtctgt	gtggctgggg	175080
acagggacgc	cggctgcctc	tgcctctgtc	ttgggccatg	tgaccatttc	gagtgtcctg	175140
cacgggcaca	ggtttgtgtc	tgggcaggaa	cagggactgt	gtccctgtgt	gatgcttttg	175200
atatctgggg	ccaagggaca	atgggtaccg	tctcttcagg	taagatggct	ttccttctgc	175260
ctcctttctc	tgggcccagc	gtcctctgtc	ctggagctgg	gagataatgt	ccgggggctc	175320
cttggctctgc	gttgggccat	gtggggccct	ccggggctcc	ttctccggct	gtttgggacc	175380
acgttcagca	gaaggccctt	ctttgggaac	tgggactctg	ctgctggggc	aaagggtggg	175440
cagagtcatg	cttgtgctgg	ggacaaaatg	accttgggac	acggggctgg	ctgccacggc	175500
cggcccggga	cagtcggaga	gtcaggtttt	tgtgcacccc	ttaatggggc	ctcccacaa	175560
gtgactactt	tgactactgg	ggccaggga	ccctggtcac	cgtctcctca	ggtgagtcct	175620
cacaacctct	ctcctgcttt	aactctgaag	ggttttgctg	catttttggg	gggaaataag	175680
ggtgctgggt	ctcctgccaa	gagagccccc	gagcagcctg	gggggctcag	gaggatgccc	175740
tgaggcaaca	gcggccacac	agacgagggg	caagggtctc	agatgctcct	tcctcctgag	175800
cccagcagca	cgggtctctc	tgtggccagg	gccaccctag	gcctctgggg	tccaatgccc	175860
aacaaccccc	gggcccctcc	cgggctcagt	ctgagagggg	cccagggacg	tagcggggcg	175920
ccagttcttg	cctggggctc	tggcattggt	gtcacaatgt	gacaactggg	tcgacccctg	175980
gggccaggga	accctgggtc	ccgtctcctc	aggtgagtc	tcaccacccc	ctctctgagt	176040
ccacttaggg	agactcagct	tgccagggtc	tcagggtcag	agtcttggag	gcatttttga	176100
ggtcaggaaa	gaaagccggg	gagagggacc	cttcgaatgg	gaacccagcc	tgtcctcccc	176160
aagtccggcc	acagatgtcg	gcagctgggg	ggctccttcg	gctggtctgg	ggtgacctct	176220
ctccgcttca	cctggagcat	tctcaggggc	tgtcgtgatg	attgctgggt	gggactctgt	176280
cccgtcccaa	ggcaccgcct	ctctgggaag	ggtgcccccc	gggggtttttg	gactcctggg	176340
ggtgacttag	cagccgtctg	cttgcagttg	gacttcccag	gccgacagtg	gtctggcttc	176400
tgaggggtca	ggccagaatg	tggggtacgt	gggaggccag	cagaggggtc	catgagaagg	176460
gcaggacagg	gccacggaca	gtcagcttcc	atgtgacgcc	cggagacaga	aggtctctgg	176520
gtggctgggt	ttttgtgggg	tgaggatgga	cattctgcca	ttgtgattac	tactactact	176580
acggtatgga	cgtctggggc	caagggacca	cggtcaccgt	ctcctcagggt	agaatggcc	176640
actctagggc	ctttgttttc	tgtactgccc	tgtgggggtt	cctgagcatt	gcagggtggg	176700
cctcggggca	tgttccgagg	ggacctgggc	ggactggcca	ggaggggacg	ggcactgggg	176760
tgccttgagg	atctgggagc	ctctgtggat	tttccgatgc	ctttggaaaa	tgggactcag	176820
gttgggtgag	tctgatggag	taactgagcc	tctagactga	gcattgcaga	ctaactcttg	176880
atatttgtcc	ctgagggagc	cggctgagag	aagttgggaa	ataaactgtc	tagggatctc	176940
agagccttta	ggacagatta	tctccacatc	tttgaaaaac	taagaatctg	tgtgatgggtg	177000
ttggtggagt	ccctggatga	tgggataggg	actttggagg	ctcatttgag	ggagatgcta	177060
aaacaatcct	atggctggag	ggatagttgg	ggctgtagtt	ggagattttc	agttttttaga	177120
ataaaagtat	tagctgcgga	atatacttca	ggaccacctc	tgtgacagca	tttatacagt	177180
atccgatgca	tagggacaaa	gagtggagtg	gggcactttc	tttagatttg	tgaggaatgt	177240
tcacactag	attgtttaaa	acttcatttg	ttggaaggag	agctgtctta	gtgattgagt	177300
caaggagaa	aggcatctag	cctcgggtctc	aaaagggtag	ttgtgtctta	gagaggtctg	177360
gtggagcctg	caaaagtcca	gcttttcaaag	gaacacagaa	gtatgtgtat	ggaatattag	177420
aagatgttgc	ttttactctt	aagttgggtc	ctaggaaaaa	tagttaaata	ctgtactttt	177480
aaaatgtgag	agggttttca	agtactcatt	tttttaaattg	tcacaaaattc	ttgtcaatca	177540
gtttgaggtc	ttgtttgtgt	agaactgata	ttacttaaag	tttaaccgag	gaatgggagt	177600
gaggctctct	cataacctat	tcagaactga	cttttaacaa	taataaatta	agttttcaat	177660
atttttaaat	gaattgagca	atgttgagtt	ggagtcaaga	tggccgatca	gaaccagaac	177720
acctgcagca	gctggcagga	agcaggctcat	gtggcaaggc	tatttggggg	agggaaaata	177780
aaaccactag	gtaaaactgt	agctgtgggt	tgaagaagtg	gttttgaaac	actctgtcca	177840
gccccaccaa	accgaaagtc	caggctgagc	aaaacaccac	ctgggtaatt	tgcattttcta	177900
aaataagttg	aggattcagc	cgaaactgga	gaggctcctc	tttaacttat	tgagttcaac	177960
cttttaattt	tagcttgagt	agttctagtt	tcccaaaact	taagtttata	gacttctaaa	178020
atgtattttg	aattcatttt	caaaattagg	ttatgtaaga	aattgaagga	ctttagtgtc	178080
tttaatttct	aatatattta	gaaaacttct	ttaaattact	ctattattct	tccctctgat	178140
tattggctct	cattcaattc	ttttccaata	cccgaagcat	ttacagtgac	tttgttcatg	178200
atctttttta	gttgtttgtt	ttgccttact	attaagactt	tgacattctg	gtcaaaacgg	178260
cttcacaaat	ctttttcaag	accactttct	gagttattcat	tttaggagaa	agactttttt	178320
tttaaatgaa	tgcaattatc	tagacttatt	tcagttgaac	atgctgggtg	gtgggtgaga	178380
ggacactcag	tcagtcagtg	acgtgaaggg	cttctaagcc	agtcacatg	ctctgtgtga	178440

aatttaacaa	gcctgaggtc	tgagattgaa	tgagcagagc	tgggatgaac	tgaatgagtt	181980
tcaccaggcc	tggaccagtt	aggctaggac	ctcgttctat	agaggcagac	tgtgtgctac	182040
agtggagttt	caagatgatt	ccatgagtc	tccccgccc	caacataacc	caccttctc	182100
ctacctaca	cgctgtctg	gtgtgtaaat	cccagctttg	tgtgctgata	cagaagcctg	182160
agccccccc	ccacctccac	ctacctatta	ctttgggatg	agaatagttc	tcccagccag	182220
tgtctcagag	ggaagccaag	caggacaggc	ccaaggctac	ttgagaagcc	aggatctagg	182280
cctctccctg	agaacgggtg	ttcatgcccc	tagagttggc	tgaagggcca	gatccaccta	182340
ctctagaggc	atctctccct	gtctgtgaag	gcttccaaa	tcacgttcc	gtggctagaa	182400
ggcagctcca	tagccctgct	gcagtttctg	cctgtatacc	aggttcacct	actaccatat	182460
ctagccctgc	ctgccttaag	agtagcaaca	aggaaatagc	aggggtgtaga	gggactctct	182520
gtctgacag	aggcaagaag	acagattctt	accctccat	ttctctttta	tccctctctg	182580
gtcctcagag	agtcagtoct	tcccaaatgt	cttccccctc	gtctcctgag	agagccccct	182640
gtctgataag	aatctgggtg	ccatgggctg	cctggcccgg	gacttctctg	ccagcaccat	182700
ttccttcacc	tggaaactacc	agaacaacac	tgaagtcac	caggggtatca	gaaccttccc	182760
aacactgagg	acagggggca	agtacctagc	cacctcgag	gtgttgctgt	ctcccaagag	182820
catccttgaa	ggttcagatg	aatacctggt	atgcaaaatc	cactacggag	gcaaaaacaa	182880
agatctgcat	gtgcccaltc	caggttaagaa	ccaaaccctc	ccagcagggg	tgcccaggcc	182940
caggcatggc	ccagagggag	cagcgggggtg	gggcttaggc	caagctgagc	tcacaccttg	183000
acctttcatt	ccagctgtcg	cagagatgaa	ccccaatgta	aatgtgttcg	tcccaccag	183060
ggatggcttc	tctggccctg	caccacgcaa	gtctaaactc	atctgcgagg	ccacgaactt	183120
cactccaaaa	ccgatcacag	tatcctggct	aaaggatggg	aagctcgtgg	aatctggctt	183180
caccacagat	ccggtgacca	tcgagaacaa	aggatccaca	ccccaaacct	acaaggtcat	183240
aagcacactt	accatctctg	aaatcgactg	gctgaacctg	aatgtgtaca	cctgccgtgt	183300
ggatcacagg	ggtctcacct	tcttgaagaa	cgtgtcctcc	acatgtgctg	ccagtgagtg	183360
gcctgggcta	agcccaatgc	ctagccctcc	cagattaggg	aagtcctcct	acaattatgg	183420
ccaatgccac	ccagacatgg	tcattttgctc	cttgaacttt	ggctccccag	agtggccaag	183480
gacaagaatg	agcaataggc	agtagagggg	tgagaatcag	ctggaaggac	cagcatcttc	183540
ccttaagtag	gtttggggga	tggagactaa	gcttttttcc	aacttcacaa	ctagatatgt	183600
cataacctga	cacagtgttc	tcttgactgc	aggctccctc	acagacatcc	taaccttcac	183660
catccccccc	tcccttgccg	acatcttctc	cagcaagctc	gctaacctga	cctgtctggt	183720
ctcaaacctg	gcaacctatg	aaacctgaa	tatctcctgg	gcttctcaaa	gtggtgaacc	183780
actggaaacc	aaaattaaaa	tcattggaaa	ccctcccaat	ggcaccttca	gtgctaaggg	183840
tgtggctagt	gtttgtgtgg	aagactggaa	taacaggaag	gaatttgtgc	gtactgtgac	183900
tcacagggat	ctgccttcac	cacagaagaa	attcatctca	aaacccaatg	gtaggtatcc	183960
ccccctccct	tccccccaa	ttgcaggacc	cttctgttac	ctcataggga	gggcaggctc	184020
tcttccaccc	tatctcact	actgtcttca	tttacagagg	tgcacaaaca	tccacctgct	184080
gtgtacctgc	tgccaccagc	tcgtgagcaa	ctgaacctga	gggagtcagc	cacagtcacc	184140
tgcttggtga	agggcttctc	tcttcagac	atcagtgctg	agtggcttca	gagagggcaa	184200
ctcttgcccc	aagagaagta	tgtgaccagt	gccccgatgc	cagagcctgg	ggccccaggc	184260
ttctacttta	cccacagcat	cctgactgtg	acagaggagg	aatggaaactc	cggagagacc	184320
tatacctgtg	ttgtaggcca	cgaggccctg	ccacacctgg	tgaccgagag	gaccgtggac	184380
aagtccactg	gtaaaccac	actgtacaat	gtctccctga	tcattgtctga	cacaggcggc	184440
acctgctatt	gaccatgcta	gcgtcaacc	aggcaggccc	tgggtgtcca	gttgcctctg	184500
gtatgcaaac	taaccatgtc	agagtggagt	gttgcatttt	ataaaaaatta	gaaataaaaa	184560
aaatccattc	aaacgtcact	ggttttgatt	atacaatgct	catgcctgct	gagacagttg	184620
tgttttgctt	gctctgcaca	cacctgcct	acttgccctc	acctggccc	ttctcttacc	184680
ttgccagttt	cctccttggtg	tgtgaactca	gtcaggctta	caacagacag	agtatgaaca	184740
tgcgattcct	ccagctactt	ctagatatat	ggctgaaagc	ttgcatgcct	gcaggctgcac	184800
tctagaggat	ccccgggtac	cgagctcgaa	ttcgccctat	agtgagtcgt	attacaattc	184860
actggccgtc	gtttttacaac	gtcgtgactg	ggaaaacctc	ggcgttacct	aacttaatcg	184920
ccttgacaga	catccccctt	tcgccagctg	gcgtaatagc	gaagaggccc	gcaccgatcg	184980
cccttcccaa	cagttgcgca	gcctgaatgg	cgaattggcg	ctgatgcggg	atcttctctc	185040
tacgcactctg	tgcggtattt	cacacgcct	atggtgcact	ctcagtacaa	tctgctctga	185100
tgccgcatag	ttaagccagc	cccgacaccc	gccaacaccc	gctgacgcga	accttctgc	185159

<211> 17728
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 77

```

taactataac ggtcctaagg tagcgaggga tgacagattc tctgttcagt gcactcaggg 60
tctgcctcca cgagaatcac catgtccttt ctcaagactg tgttctgtgc agtgccctgt 120
cagtggaat ctggagagca tgcctccatg agcttgtgag tagtatatct agtaagccat 180
ggcttttgtg taatggtgat gttctacata tcagttctct ggcttaataa tgagggtgatg 240
attctatggt cctgtaacgc ttctcaact gggcctaag tctttcttca ctccatctat 300
tctctaagg aatgatcctg aaaatcccat cacaactat aggagatggg aaccatcaaa 360
aaacacagtg acaaagaggt gggaacgcag cagggttcag gaaccatatt ttaaaaagat 420
atcgtaaata acttcttaaa agagatatag acaaatctcc attaatacgg agaccagagg 480
cctaaggcta agaaccaatg gtggctcaag gtctcctgct acccgaggag caaacgtaga 540
gcagtttcta atgattttatt taaaatatag aatcaaaagt accagtttgc aattttgaaa 600
gatttatttc agcaatgcaa caacatcagg tgggtgccag tccaacacgt cttatgtccc 660
atgatataaa caaagggcat ccagaactgt ggactggagt tctacctgt ccctaataga 720
cattcagatt ttttttccat tctctttatc tttagaggaga cagggggcta actcatttta 780
cttgtccttt gcttgttctt gccagaacg taaagcagct tgcaagtctt caaacctaaa 840
tatcttagta actcctacac gagtggcaat gccaaagagc agtgcaacaa agaggaagta 900
aatacgacca aagagtattc ttaatacac tactggctct aggttctgtt ttattatgag 960
cctttgaacc ggagggggacc cactgtctat gctcccactg tgtccctctt ctttgcactt 1020
tggagggctc caaccaaaat ggcaatggca attccgacga ttgttacaca ctctctgaa 1080
attgcatttt tctggggtgc agtcataacc caaacgagat aaacttccat tgcaagctcc 1140
tcgatcacag aacttaccct ttgaacacgg ggtaccatgt ctcaccaatc cagcatctgc 1200
tgtttctgtc ccacgatgtt catcaagccc aaagcaggta accccagaga taaccgattg 1260
atggaatgaa acatgttctt gcaaaaatgg aagattgggt acattggtac actgcaacct 1320
tccacacagc ttgtcctgat cagcacaaagc attgaaatgt aggccttctt ctgctctagt 1380
acaatgcccc aatcgaaacc gttgtttgtt gatgtcatag cacttaatat tagcattctt 1440
agcacttaca ccaaagattt ccattgcattg tatgttgaga tcagtgcagt tacctttata 1500
gcagtaaccc tcttctgagc atgggtgtccc atcttgacga taagtgtcat ctgggcaaat 1560
gaacttagag ccactacagt actctggaag atcacatatg ttctggatag gtctgcagag 1620
tgtccagaaa ggactgtaag tgcaatttgc acagcataat tctttatcac aaatgctacc 1680
aggtgttaac ctgcaatcat ttccacagca gggatctgaa taacatgcct ttggggagcc 1740
acagtcacac tgctcattgt tatctacttt gaagtttcca caaaacttat aagtcaatga 1800
tgtattataa taaacatgac ggtcatagaa aagacatggc atcagatcag gagtattaag 1860
tatgttgctt atctctgcaa gggaacaatt gctgaaagca tctgttaatt gaggattttt 1920
gaacatgatg caagtggtcc ttctctggca gatacagtae cctcatcat gttttaggcc 1980
taaaactcct ccaacacgat tggttattat aatagataaa aataaaggat ttcgaccatg 2040
ttgaccaaga caaattaggg ctgagggaga acatatactc ctctcagctg gattaacagc 2100
atcatctcct ggcgaattct tgtaatttat agctcctgca tcaggcctaa aatgagcata 2160
aaatactctc tcatagaaag tatgagcctg cctcctgga actcgaaaat cttgtgaaaa 2220
tggatcagcc tcggtataca cagtcatgag aaagacatag taccgcatat gaagattggt 2280
cagataggtg tccattaaac taatgacttt aaacaaatac tcaacagtag atgaaagttt 2340
gtcacctcca gaagcactat atacagaatg ggttgcttga aagtggcctt ttatagcagc 2400
tggatgtgta gcgtaattct tactagatag tctgggagct ccattctgcat attccaatct 2460
ggaggaggga gaacctgtat tatggctcca gtgcttccat gcattcatag gccctgtgtc 2520
atcagactca gatactatct gagaaacaag gtgttcaaag ctctgtgaat cattgagggg 2580
tttgatttca taggtaaggt tatccaactt ttagaccctt gacaggcccc cataacaagt 2640
atccacagtg accatggatt gcaggatccc ctccaggtag ccaatatagt aacaatctac 2700
aggaaaaaag gggtactcca tctgtaaggc tcttgggtca tcttgagttg tcagcaacaa 2760
gtgtctgggc caaatgagtg tctttctccg cagggtggatg atatgtctct ggccccgaaa 2820
acgcaagcta tacgagagca gtctttgtgc ttgaagtcct ttggtatggt agatctcctt 2880
ccgaggaata accacctccg atgagatgta acgccaagtg ggatggcctt gagaacacca 2940
gactggaacc aggaggagca gccagagtgc aaatagcaag aggaggaccc tggggaccac 3000

```

aggtctttcc	actagcctca	tgccccaggt	cagagataac	atcctgggtg	gagctaactc	3060
cctctgctgt	ggccactgcc	tggtctagaa	aatactgaca	gaggactaaa	aacctcctca	3120
ggctcccaac	ctaagtgggt	accagacaa	ctggagttag	gtaacagtca	ctgggtgtgg	3180
caggaattga	gtctgaatgt	gttagctgag	gttgaggtta	aataattgtc	aaagggatgt	3240
ctataaatgt	gcctggacaa	gaaaagtcag	aagcagcaag	gagtgtctct	gacaggctca	3300
atcctttctt	ttcttttttt	gaagttcaaa	atatcatttc	cacgtgaatg	tatttggttc	3360
ccagtgtgac	tctgggtctc	tttctaggag	tcaatatttc	tttatatctt	ggctcatgtt	3420
tttcacagtt	gttctaactt	cttgttttgt	tttgtttgtt	tgtttgtttg	aaagtttaga	3480
gtaaatactg	tctatattag	ccttttagct	ataaatgatt	gtttttattt	cttctaatac	3540
tgttttgttt	gagttttggg	taaactattt	acaaatgagt	tttttttttc	cttttgggtg	3600
ttgctcgaaa	gtttggagct	ttctgttaat	attgtgttgt	tgtttctcca	atattattag	3660
acctgagaat	tctacctggg	tacctgtgaa	ctccagaatt	tttaaaaaat	ccatctcttg	3720
ggaacattat	ctctgacccc	gtctgaggcc	gaagtggctg	tccccctcca	accttttagt	3780
tctttctttc	ctgactattg	ggatttcttc	aagcaatcag	gctgatgggt	tctcagcagt	3840
gagaccagta	gactgtcggg	atgaacgtcg	aagagtctgc	cacacactcc	gggttccatc	3900
acagtgcctt	cgcgtctctt	actttttagt	aaggaaatgc	agcctctgag	ttttctccaa	3960
gaaatcattg	atgaaaaggg	gaaaagatgg	gtatcacccg	gagttcatga	caagccctgg	4020
ctcagacacg	tgagcaaggt	ctacagcccc	aaagataggc	tgccctgcaa	catgtattta	4080
taagatagga	gaaaaaaatg	ggtagttgga	gggttgatca	acttacttcc	tctcaaatac	4140
atatactctc	tctaagtgtg	caggggaaaa	ctctgtagaa	ctactgggat	acctgctcac	4200
ccccaggagc	ctcatgaata	agtctctgct	tctgccttgt	agccatgagc	attactgcac	4260
ctgatacccc	ctcagcttcc	tagggaagag	ggaggaagtg	acttggcccc	tgtctgtgta	4320
aggtaagagg	agataaaatc	cttctcattg	attaggggtg	gaggggtcat	gtgctctatc	4380
attgggtgacc	cagttggggc	atgggtttat	accaaagtca	tcaactctgag	gttctgtgta	4440
ccaccaggct	gaactcccat	atcctacatg	gacataggac	aacaccaagc	agaaggaggt	4500
tttaggacta	aactgaagga	cagagatgcg	gtttctaaac	aactagggag	tgccagggcc	4560
agcctctcta	accactatag	gacactgtgg	agtctgggtt	caaagagaga	ttactcaagg	4620
tccttagcac	tgattacaga	gcatactctc	gatgccttct	gctgaccaga	tgtatctttg	4680
cataatctgc	ctatccagat	tcagaaaatt	gatgccacat	agccaagtgg	acttttcagga	4740
acagacgatt	taaaaacagg	cagagagatg	tgagagaaa	gagaaggaga	gagagaaggg	4800
agagggagag	aagagagagg	gagacggaga	aggaaagagg	gagaaggaga	aggagagaag	4860
gggcatggac	agagggaggg	acagaaggag	agaggagata	gagaggggga	taaggagaag	4920
gggagggagg	gagagagaga	gaaggctaag	tctttccata	cctgggtccc	aatacctctt	4980
ataacccaag	cacatgggtt	cacatatcac	aatgcgggtg	ggatatagat	aactgtaaat	5040
acttgtgaaa	ataatggggc	tgagatctgg	ggttttcatg	atagtttcaa	agtcaccgta	5100
ctgactaaaa	ccttccactg	gcccattctc	agcttcttaa	tctgagggta	tcaaatttcc	5160
cactaagtgt	gttttagaaag	atctccacct	ttttgccctt	gtcttccagt	gccccacct	5220
cgttctggtc	tcccacatct	gatgtcttct	cagtgattct	ggccctgccc	gtcccacagc	5280
tacaaacccc	ttctataaat	gagctctgtg	ctgagccatc	atcctgaatc	aatccacctt	5340
aagcagatgt	tttgcttatt	tttctgtgtt	ccatactaca	gaggaaaggt	aggcatgtag	5400
aagctgaagc	atctcacctc	attccaagca	cctcagctct	ctaaatgtgc	cccttggttt	5460
ccagaagtgc	aacctcaagc	atcttttatt	cattcatctt	agagggccac	atgtctgtga	5520
gtgttataag	atgaaattta	aagcattaat	tattcctaac	aagccaatta	aacaagccaa	5580
aaacattcat	cagtcattcc	catggaacct	ctgaagcatc	ttcctgctct	aaccttgggt	5640
tttccagggc	tgctctggga	tcacaggagc	tgtcctgtct	accagccata	taaaggcaga	5700
cctatcagaa	ttacaccaga	cttctcacca	tagactataa	aagccagaat	atcctggaca	5760
gatgtttatac	agaaactaag	agaacacaaa	tgccagccca	ggctactata	cccagcaaaa	5820
ctctcaatta	ccatcgatga	agaaaccaag	atattccatt	acaagtccaa	atttacacaa	5880
tatctttcca	taaatccagc	cctacaaaagg	atagcagatg	gaaaactcca	acacaggtag	5940
gaaaactaca	cctagaaaag	agcactaaag	taatcatctt	tcaacacact	caaaagaaga	6000
taaccacaca	aacataattc	cacctctaac	aacaaaaata	aagtaggcaa	caatcactat	6060
tccttaatat	ctcttttaac	atcaatggac	tcaattctcc	aataaaaaaga	catagactaa	6120
cagactgaat	acataaacag	gacacagcat	tttgctgcat	aaagcaaaaca	cagcgttact	6180
tttttttttc	taaatgacat	tttttattag	atattgtctt	tattgacatt	tcaaattgtta	6240
tcccccttcc	tggtttaccc	tctgaaatcc	cctatctcct	ccccctcccc	ctgctcacca	6300
atccacccac	tcccacttcc	aggccctggc	aatccccctt	atttgggcat	agagccttca	6360
caggaccaag	gtactctcct	tgcattgatg	accaactagt	ccattctctg	ctacaaatgc	6420
agctagatct	atgagtccca	ccatgttttc	ttttgttggt	ggtttccatg	caggagctc	6480

ttggagtagt	gatttggttca	tattgttgtt	ctccctatgg	ggttacaaaa	cccttcaact	6540
tcttgggtcc	tttctctggc	tgccctcattg	gggaccttgt	gggaagtcca	atggatgact	6600
gtgagcatcc	acttctgtat	ttgccaggca	ctggcagagc	ctctcagaag	acagctatat	6660
caagatcctg	gcagcaagct	cttgtttgga	tccacaaaag	tgtctgggtg	ttgtctatgg	6720
gatggatccc	caaaggggca	gtctctggat	ggteatccct	tcagtctctg	ttccacactt	6780
tgtctcttta	actccttcca	tgactatttt	attcctccct	ctaagaagga	ccgaagtatt	6840
catacttttg	tcttctctct	tgaaattcat	gtgttttgtg	aattgtatct	ttgatattcc	6900
gaactttctg	gctaatatcc	acttatcagt	gagtgaatat	catgtgtgtt	cttatgtgat	6960
tgagttacct	cactcaggat	gatatccctc	agaacctcc	atttgtctaa	gaatttaatz	7020
aattcattgt	ttttaaatgc	tgaggagtac	tccattgtgt	aaatgtacca	cattttctgt	7080
accatttgtt	ctcttgaggc	acatctgggt	tctttaaagc	ttctggacat	taaatataag	7140
gctgctatgg	aaatagtggg	gaatgtgtcc	ttattacatg	ttggagcatc	ttctgggtat	7200
atgccaggga	gtgctattgc	tggtatccct	gatagtacta	tgtccaattt	tctgaggaac	7260
tgccaaactg	atttacagag	tggttgtacc	agcttgcaat	tccaccagca	atggagaaat	7320
gttccctctc	ctccacatcc	tcaccaacat	ctgctgtcac	ctcaatttgt	tcttagtgat	7380
tcagacagggt	gtgaggtgga	atatcagggt	tgtttggcat	ttccctgatg	actagtata	7440
ttgaaaaaaa	ttttaagtgt	ttctcagcca	ttcagtatcc	ttcagttgag	aattcgctgt	7500
ttagctctgt	actcagggtt	ttttaatagg	gttatttggg	tttctggagt	ctaacgtctt	7560
gaattctttc	tatatattgg	atattagccc	tctgtcatat	ttaggattgg	taagatctt	7620
tcccaatatg	ttggctgcct	ttttgtctta	ttgagagtgt	cctttgcctt	acagaacctt	7680
tttaatttta	tgagggtccc	tttgcctagt	cttcatttta	cagcacaaag	cattggtgtt	7740
ctgttcaaaa	atctttcccc	ctgaacctta	tcttcgagga	tcttccccac	tttctctctt	7800
ataagtttca	gtgtctctat	tattgtgctg	agggcgatcg	cgatgtggga	acgcttcagt	7860
gttcaggaac	catatgattt	atttaaaata	tagaatcaaa	agtaaccaat	tgcagttttg	7920
aaagatttat	tccagtgtaa	gcattagcaa	tgcaccaaca	tcaggtgatt	tctgaatcca	7980
acacgtctta	tgtcctcatg	atattaaaaa	aaaaaaaggc	catccagaac	tgtgaacttg	8040
agttctacct	tgttccctac	tgacattcag	attttctttt	ttgcattctc	tttatcttac	8100
aggagacagg	aggggagggc	taactcattt	tactttgggt	tgtcccttgc	tggctccttg	8160
ccagaacgta	aagtagcttg	caagtcttca	aatctaaaaa	tcttagtaac	tcctacacga	8220
gtggcaatgc	caaagagcag	tgcaacaaag	aggaagttaa	tacgaccaa	gagtattctt	8280
aaatacacca	ctggctcttg	ttttgttttt	attgtgtgcc	tttgaactgg	aggggaccca	8340
ctgtctatgc	tcccacttag	tcctctctct	ttgcactctg	gaggcttcca	accaaaatga	8400
caatggcaat	tccgatgatt	gttacacact	cctctaaaaa	tgcatttttc	tgggggtgcag	8460
tcataaccca	aatgagataa	acttccactg	caagctcctt	gatcacagaa	cttacttttg	8520
gagcaggggg	taccatgtct	caccattcca	gcattctgtg	tttctgtccc	acgatgttca	8580
tcaagcccaa	agcaggtaaa	cccagagata	atcgattgat	ggaatgaaac	atgttcttgc	8640
aaatatggaa	gattggtgac	attggtacac	tgcacacctc	cacacagctt	gtcctgatca	8700
gcacaagcat	tgaatgtgag	gctttcttct	gctctagtac	aatgcccaaa	tcgaaacctg	8760
tgtttgttga	tgtcatagca	cttaatatga	gcattcttag	cacttacacc	aaagatttcc	8820
atgcattgta	tgttgcatc	agtgcagtta	cctttatagc	agtaaccatc	ttctgagcat	8880
gggtgtcccat	cttgcagata	agtgtcatct	gggcaaatgt	atttagtccc	attacagtac	8940
tctggaagat	cacatatgtt	ctggataggt	ctgcagagtg	tcccagaagg	actgtaagtg	9000
caatttgcac	agcataattc	tttatcacaa	atgctaccag	gtgttaacct	gcaatcattt	9060
ccacagcagg	gatctgaata	acatgccttt	tgggagccac	agtcacactg	ctcatcggtt	9120
tctactttga	agtttccaca	aaacttataa	gtcaatgatg	tattataata	aacatgacgg	9180
tcatagaaaa	gacatggcat	cagaccagga	gtattaaagta	tgttgcttat	ctctgcaagg	9240
gaacaattgc	tgaaagcatc	tgttaattga	ggatgtctga	acataatgca	gggtgttccc	9300
ctctggcaga	cacagtacct	ctcatcatat	tttaagccta	aactccttcc	aacacgattg	9360
gttatttatag	gagataaaaa	taaaggattt	cgatcatatt	taccaatata	aattagggct	9420
aaggaagaac	atatactcct	ctcagctgga	ttaacctggg	tatcttgtgg	cccatactta	9480
ttaagtaaaa	ctcctgcac	aggcttaaat	ttattataaa	agactgacac	atagtaatta	9540
taagccgacc	ctcctggaac	tgcaaaccca	agtcgaaatg	gatcagaatt	gggtgtacaca	9600
gtcatgagaa	agacatagta	ccgcatatga	agattgggtca	gataggtgtc	cattaaacta	9660
atgaactgaa	acaaataccc	aacagtagat	gaaagtttgt	cacctgcagc	agaattatat	9720
acagaattgg	ttgcttgaag	gtggcctttt	atagcagctg	gatgtgtagc	gtagttctta	9780
ctagatatcc	tgggagctcc	atctgcata	tccaatctgg	aggagggaga	acctgtatta	9840
tggctccagt	gcttccatgc	attcataggg	cctgtgtcat	cagactcaga	tactatctga	9900
gaaacaaggt	gttcaaagct	ctgtgaatca	ttgaggggtt	tgatttcata	ggtaaggtca	9960

tctaacttca	tgacccctga	caggccccc	taacaagtat	ccacagtga	catggattgt	10020
gggatcccc	ccaggtagcc	aatatagtaa	caatctacag	gaaaaaagg	gtaatccatc	10080
tgtaaggctc	cttggctatc	ttgagttgtc	agcaacaagt	gtctgggcca	aatgagtgct	10140
tttctccgca	ggtggatgat	atgtctctgg	ccccgaaaat	gcaagctata	tgagagcagt	10200
ctttgtgctt	gaagtccttt	ggtatggtag	atctctctcc	gaggaataac	cacctccgat	10260
gagatgtaac	gccaagtagg	atggccttga	gaacaccaga	ctggaaccag	gaggagcagc	10320
cagagtgcaa	atagcaagag	gaggaccctg	gggaccacag	gtctttccac	tagcctcatg	10380
ccccaggcca	gagataacat	cctgggtgga	gctaaatccc	tctgctgtgg	ccactgcctg	10440
gtctagaaaa	tactgacaga	ggactaaaa	cctcctcagg	ctcccaacct	aagtgggttac	10500
ccagacaact	ggagttaggt	aacagtcact	gggtgtggca	ggaattgagt	ctgaatgtgt	10560
tagctgaggt	tgagggttaa	tattgtcaaa	agggatgtct	ataaatgtgc	ctggacaaga	10620
aaagtccaga	gcagcaagga	gtgtctctga	caggctcaat	cctttctttt	ctttttttga	10680
agttcaaaat	atcattttcca	cgtgaatgta	tttggttccc	agtgtgactc	tgggtctctt	10740
tctaggagtc	aatattttct	tatatcttgg	ctcatgtttc	tcacagttgt	tctaatttct	10800
tgttttgttt	tgtttgtttg	tttgaacgtt	agtagtaaat	actgtctata	ttagcctttt	10860
agctataaat	gattgttttt	atctctctta	atcatatttt	gtttgagttt	tgggttaaact	10920
atttacaaat	gagttttttt	ttttctcttt	tgggtgttgc	togaaagttt	ggagctttct	10980
gttaatatgt	tgttgtttat	tttccaatat	tattagacct	gagaatttcta	tctgggtacc	11040
tgtgaactct	agaattttta	aaaatttccat	ctcttgggaa	cattacctct	gaccccgctc	11100
gaggccgaag	tggctgtccc	cctccaacct	ttagtatctt	tctttcctga	ctattgggat	11160
ttcttcaagc	aatcaggctg	atgggttctc	agcagtgaga	ccagtagact	gccggtatga	11220
acgtcgaaga	gactgccaca	cactccaggt	tcatacaacag	tgtttctcgc	tctcttactt	11280
ttgtagaagg	aaaagcagcc	tctgagttat	ctccaagaaa	tcattaatga	aagagttaaa	11340
agatgggtat	cacccggagt	tcatgacaag	ccctggctca	gacacgtgag	caaggtctac	11400
agcccccagg	ataggctgcc	ctgcaacatg	tatttataag	atagaagaaa	aaaatgggtg	11460
gttggagggt	tgatcaactt	acttctctct	aaacatatat	atctcatcta	agtgtgcagg	11520
ggaaaactct	gtaggactac	tgggattggt	attatcatta	ttattattat	tattattatt	11580
attattatta	ttattattat	taacttaagg	cattttatta	gatattttct	tcatttagtt	11640
ttcaaagtgt	atccccggaa	cctctataac	tctctccctg	ccctgctccc	caaccacccc	11700
actcctacat	cctggccctg	gcattcccct	atactgtggc	agatgatctt	cgtaagacca	11760
agagcctttc	ctcccattga	tggcctacta	ggctatcctc	ttttacatat	gcaactagag	11820
tcacagctct	ggggagggtat	tgtttagttc	atattgtttt	tctctctata	gggttgacga	11880
tccctttagc	tcttggggtg	ctttctctag	ctcctccatt	gggggcccctg	tgttccatcc	11940
aatagatgac	tgtgagcatc	cacttctgta	tttggcaggt	attggcatgg	atcttactgc	12000
accttctgaa	ctctctaagc	agctttcctg	gtcacctcca	ggagcctcat	gaataagtct	12060
ctgcttcccc	cttgtggcta	tgagcattac	tgcacctgat	acaccctgca	gcttcttagg	12120
gaagagggag	gaagtggcct	ggccctctgt	tgggttaagg	aagaggagat	aaatcccttc	12180
tcatgaatta	gggtgagaag	ggctcatgtc	tctatcattg	gtgaccaact	tggggacatg	12240
ggcttatata	gtcatcactc	tgaggtctct	tgtaccacca	gactgaactc	ccatatccta	12300
catgcacata	ggacaacacc	aagtagaagg	aggttttagg	actaaactga	aggacagaga	12360
tggggtttct	aaacaactag	ggagtgccag	ggccagcctc	tctaaccact	ataggacact	12420
atggagctct	gttacaaaga	gagattactc	aaggtcctta	gcactgatta	cagagcatat	12480
ctcagatgcc	ttctgctgac	cagatgtatc	tttgcataat	ctgcctatcc	agattcagaa	12540
aattgatgcc	acatagccaa	gtggactttc	aggaacagac	gattttaaaa	caggcagaga	12600
gatgtgagag	aaaggagaag	gagagagaga	agggagaggg	agagaagaga	gaggagagag	12660
gagaaggaaa	gagggagaag	gagaaggaga	gaaggggcat	ggacagaggg	agggacagaa	12720
ggagagagga	gatagagagg	gggataagga	agaaaggagg	gaggagagaga	gagagaaggc	12780
taagtctttc	catacctggg	tcccaatacc	tcttataacc	caagcacatg	gtttcagata	12840
tcacaatgcg	gttgggatat	agataactgt	aaataactgt	gaaaataatg	gggctgagat	12900
ctgggggttt	catgatagtt	tcaaagtcac	tgtactgact	aaaaccttcc	actggcccat	12960
ctccagcttg	ttaatctgag	ggtatcaaat	ttcccactaa	gtgtgttttag	aaagatctcc	13020
acctttttgc	cctagtcttc	cagtgcceca	cctacgttct	ggtctcccac	atctgatgtc	13080
ttctcagtga	ttctggccct	gctgtctcca	gactacaaaa	ccccttcccta	taatgagctc	13140
tgtgctgagc	catcatcctg	aatcaatcca	ccttaagcag	atgttttget	tatttttctt	13200
gtgtccatac	tacagaggaa	gggtaggcat	gtagaagctg	aggcatctca	tctcactcta	13260
agcaccctca	gtctctaaat	gtgccccttt	gtttccagca	gttcagcctc	aagcatcttt	13320
tattcactcg	tcttagaggg	acacatgtgc	tgtagtgtta	taagatgaaa	tttaaagcat	13380
tagttattcc	caacaagcca	attaacaag	ccaaaaacat	tcacagtcga	ttcccatgga	13440

aaagaaggat	tgtaaggatt	gagtaccaca	cagaacatgc	tottaatggc	ctcaatgctg	16980
aagctaggaa	gaactaagtt	aaaagaaaca	tgttcaacgg	gattccctgt	cactggactt	17040
cacaacaagc	aaaattcaat	ctttctgtta	aggagatgag	aagagaatat	ctgaaccttg	17100
tgttgacagt	gccccacccc	gactgtcagg	ctgtgggaaa	tgccagagca	atcactagga	17160
acacacaagg	atgaggggaga	cgagggttag	gacacaacca	tcatgatato	ccacaagtat	17220
ggaagagcaa	gaacttgtag	agagcagaga	atggcagaca	aagcagcata	tacataagta	17280
gatggccaga	ctatacagga	aagatctaca	tagcctgtga	ggctttctga	cagaaaaggg	17340
caggcatgtc	tcaaagcaca	atgcctggct	tgggacactg	tctgccctgg	atcctctcac	17400
tccacatgta	aggagctcac	agcaaaaacca	cacagccttc	cacaagagga	gaagaaaagg	17460
tagcttgta	gtgaggaagt	ccccagaga	cagaccattc	cagtagttct	tatcattcct	17520
cccaaagcag	ccaccatcca	ggcactgaga	gaccaaaggc	tgttgggagg	tcagcctaga	17580
ggcaggetca	gacctttctt	gtccctagg	accttcctga	aaagatagaa	gcacagaagt	17640
gaataatctg	gacctcaact	caggatgaca	actgaaactc	aaccgtgctg	cctgggcccc	17700
caatgctctc	tacacctgca	ggcgcgcc				17728