

SEQUENCE LISTING

<110> Macdonald, Lynn
 McWhhirter, John
 Gurer, Cagan
 Hosiawa, Karolina A.
 Murphy, Andrew J.

<120> Restricted Immunoglobulin Heavy Chain
 Mice

<130> 1370A-WO

<150> 61/658,459
 <151> 2012-06-12

<150> 61/597,969
 <151> 2012-02-13

<150> 61/547,974
 <151> 2011-10-17

<160> 81

<170> FastSEQ for Windows Version 4.0

<210> 1
 <211> 872
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 1
 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 tgggtggcagc agctacaggt aaggggcttc ctatgcctaa 300
 ggctgaggaa gggatccttg tttagttaaa gaggatttta ttcacccctg tgcctctcc 360
 acaggtgtcc agtcccaggt gcagctggtg cagtctgggg ctgaggtgaa gaagcctggg 420
 tcctcggtaga aggtctcctg caaggcttct ggaggcacct tcagcagcta tgctatcagc 480
 tgggtgagac agggccctgg acaagggtt gagtggatgg gagggatcat ccctatcttt 540
 ggtacagcaa actacgcaca gaagttccag ggcagagtca cgattaccgc ggacgaatcc 600
 acgagcacag cctacatgga gctgagcagc ctgagatctg aggacacggc cgtgtattac 660
 tgtgcgagag acacagtgtg aaaaccaca tcctgagagt gtcagaaaacc ctgagggaga 720
 aggagctgt gccgggctga ggagatgaca gggtttatta ggtttaaggc tgtttacaaa 780
 atgggttata tatttgagaa aaaaagaaca gtagaaacaa gtacatactc ctctaatttt 840
 aagataatta ttccattcaa ggtcgtaat at 872

<210> 2
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>

<223> synthetic

<400> 2

```
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> 3

<211> 99294

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic

<400> 3

```
aagcttatct ctctgttgct cagactcatt taggaatttc agaaatttct gttctagcat 60
ctcttccagc ttttgtctcc aacctcatt ctcttctttc tttttttttt taaattatat 120
gttctctgtc tttttaaaaa actttttaaa attaggtatt tatgtcattt acatttccaa 180
tgctatccca aaagtcccac ccacgctccc caaccacta tcccacccac ccactccac 240
ttcttggccc tggcattcac agtgtactga gacatataaa gtttgcacaa ccaatgggcc 300
tctctttcca ctgatggccg actaggccat cttctgatac atatgcagct agagacacga 360
gattctgggg gtactgggta gttcatattg ttgttccacc tatagggttg cagatccttt 420
tagctccttg ggtactttct ctactcctc cattgggggc cctgtgatcc atccaatagc 480
tgactgtgag catccacttc tgtgtttgct aggccccaga tagtctcaca agagacagct 540
atatctgggt cctttcagca aaatcttgct agtgtatgca acggtgtcag agtttgaag 600
ctgattatgg gatggatccc cggatatggc attctctagt tgggtcatcc ttttgtctca 660
gctccaaact ttgtctctgt aactccttcc atgggtgttt tgttcccagt tctaaggagg 720
ggcaaagtat ccacactttg gtcttcattc ttcttgagtt tcatgtgttt tgcaaattgt 780
atcttatatc ttgggtattc taagtttctg ggctaatac cacttatcag tgagtacaca 840
ttgtgtgagt tcttttgtga ttgggttacc tcaactcagta tgatgccctc caggtccatc 900
catttgccca ggaatttcat aaattcattc tttttaatag ctcaagtagta ctccattgtg 960
tagatgtacc acattttctg ttttcattcc tctgttgagg ggcattctggg ttctttccag 1020
cttctggcta ttataaataa ggctgctatg aacatagtgg agcatgtgac cttcttaccg 1080
gttgggacat cttctggata tatgcccagg agaggtattg ctggatcttc cggtagtact 1140
atgtccaatt ttctgaggaa ctgacaaact gatttccaga gtgggttagta ccagcttgca 1200
atcccaccaa caatgagagg agtggttcgtc tttctccaca tctcaccag catgctgctg 1260
tcacctgaat ttttgatgct tagccattct gactgggtgtg aggtggaatc tcagggttgt 1320
tttgatttgt atttccctga tgattaagga tgctgaacat tttctcaggt gcttctcagc 1380
cattcagtat tcttttaggtg agaattcttt gtttagctct aagccccatt tttttaatga 1440
ggttatttga ttttctggag tccaccttct tgagtttttt tttccatttt ttattacata 1500
atttctctca ttacatttcc aatgctatcc caaaagtccc ccataccctc cccccccaa 1560
ttccctacc accccttccc atttttttgg ccctggcggt cccctgtact ggggcatata 1620
aagtttgtgt gtccaatggg cttctcttcc cagtgtatggc tgactaggcc atcttttgat 1680
```

acatatgcag	ctagagtcaa	gagctcccgg	gtactgggta	gttcataatg	ttgttccacc	1740
tatagggttg	cagatccctt	tagcttcttg	ggtactttct	ctagctcctc	cattgggagc	1800
cctgtgatcc	atccaatagc	tgactgtgag	catccacttc	tgtgtttgct	agggcccggc	1860
atagtctcac	aagagacagc	tacatctggg	tccttttgat	aaaatcctgc	tagtgtatgc	1920
aagggtgtca	gcatttgga	gctgattatg	gggtggatcc	ctggatatgg	cagtctctac	1980
atgggccatc	cttttgtctc	agctccaaac	tttgtctctg	taacttcttc	catgagtgtt	2040
ttgttcccaa	ttctaaggag	gggcatagtg	tcacactctc	attcttcatt	cttcttgagt	2100
ttcatgtgtt	tagcaaattg	tatcttatat	cttgggtatc	ctaggttttg	ggctaataatc	2160
cacttatcag	tgagtacata	ttgtgtgagt	tcctttgtaa	atgtgttacc	tcactcagga	2220
tgacgccctc	cagggtccatc	catttggtta	ggaatttcat	aaattcattc	tttttaatag	2280
ctgagtagta	ctccattgtg	taaatgtacc	acattttctg	tactcattcc	tctgttgagg	2340
ggcatctggg	ttcttttatag	gttctggcta	ttataaataa	ggttgctatg	aacatagtg	2400
agcatgtgtc	cttcttaccg	gttgagacat	cttctggata	tatgccagg	cgaggatttg	2460
ctggatcctc	cggtagtact	atgtccaatt	ttctgaggaa	ctgccagact	gatttccaga	2520
gtggttgtag	aagcctgcac	tctcaccaac	aatggaggag	tgttcctctt	tctccacatc	2580
cacgccagca	tctgctgtca	cctgaatttt	tgatcttagc	cattctgact	ggtgtgaggt	2640
ggaatctcag	ggttggtttg	atttgcattt	cctgatgat	taaggatgtt	gaacattttt	2700
ttcagggtgt	tctctgccat	tcggatttcc	tcaggtgaga	attctttgtt	cagttctgag	2760
ccccattttt	taatggggtt	atttgatttt	ctgaagtcca	ccttcttgag	ttctttatat	2820
atggttgata	ttagtccctt	atctgattta	cgataggtaa	agatcctttc	ccaatctgtt	2880
ggtggtcttt	ttctcttatt	gacggtgtct	tttgcccttg	agaaactttg	gagtgtgttc	2940
tttatatata	ttggatatta	gtcccctatc	tgatttagga	taggtaaaga	tcctttccca	3000
atctgttggt	gacctttttg	tcttattgac	ggtgtctttt	gccttgacaga	atctttgcaa	3060
ttttatgagg	tcgcatttgt	caattctcga	tcttacagca	caagtcattg	ctgttctgtt	3120
caggaatttt	tcctctgtgc	ccatatcttc	gaggtcttta	cctgctttct	cctctatatg	3180
tttgagtgtc	tctggtttta	tgtggagttc	cttaatccac	ttagatttga	ccttagtaca	3240
aggagatagg	aatggatcaa	ttcgcattct	tctacatgat	aaccgctagt	tgtgccagca	3300
ccatttggtg	ataatgctgt	cttttttcca	ctggatggtt	tttgctccct	tgtctaagat	3360
caagtgacca	taggtgtgtg	ggttcatttc	tgggtcttca	attctatttc	attggtctac	3420
ttgtctgttg	ttataaccagt	accatgcaga	ttttatcaca	attgctctgt	agtagagttt	3480
taggtcaggc	atggtgatta	caccagaggt	tttttttatc	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	atttctttct	tcagagactt	gaagtctctg	tcatacagat	ctttcacttc	3780
cttagttaga	gtcacgctaa	ggtattttat	attattttgt	actattgaga	aggggtgtgt	3840
ttccctaatt	tctttctcag	cctgtttatc	ctttgtgtac	agaaaagcca	ttgacttgtg	3900
ttagttaatc	tcatatccag	ctacttcact	gaagcggttt	atcaggttta	ggagttctct	3960
ggtgtaattt	ttagggtcac	tcatatatac	tatcatatca	tctgcaaaaa	gtgacatttt	4020
gacttcttcc	tttccaattt	gtatcccctt	gatctccttt	tgttgtcgaa	ttgctctggc	4080
aaggacatca	agtactatat	tgaataggtg	gggagaaaa	cggcaccctt	gtctagtcct	4140
tgattttagt	aggattgctt	caagtttctc	accatttact	ttgatgttgg	ctactgggtt	4200
gctgttgaat	gctttttatc	atgtttaggt	atgggccttg	aattcctgat	ctttccaaga	4260
cttttatcat	gaaaggggtg	tggattttgt	caaatgcttt	ctccagcctt	tcattctgag	4320
gttgtgtctg	tctttttccc	tgagatgggt	ttcctgtaag	cagcaaaatg	ttgggtcctg	4380
tttgtgtagc	ccgtctgtta	ttctatgtct	ttttattggg	gagttgagtc	cattgatatt	4440
aagatatatt	aaggaaaagt	aattgttgct	tcctattatt	tttgttttta	aagttggcat	4500
tctgttcttg	tggctgtctt	cttttaggtt	tgttgaagga	ttcctttctt	gctttttcta	4560
ggtcgtgggt	tccatccttg	tattcatttt	ttttctgtta	ttatcctttg	aaggactgga	4620
ttcatggata	gataatgtgt	gaatttggtt	ttgtcttgga	atacttttgt	ttctccatct	4680
acggtaattg	agagtgtggc	tgggtatagt	agcctgggct	ggcaattgtg	ttgtcttagt	4740
gtctatataa	tgtctgtcca	ggatcttctg	gctttcatag	tctgtgggtg	aaaatctggt	4800
gtaattctga	taggcttgcc	tttatatggt	acttgaattt	ttcacttact	gcttttaata	4860
ttctttcttt	atttagtgtc	tttggtgttc	tgattattat	gtgtcgggag	gaatttcttt	4920
tctgggtccag	tctatttgga	gttctgtagg	cttctgtgat	gttcacgggc	atctctttct	4980
ttaggttttg	gaagttttct	tctataattt	tgttgaagat	atgtgtctgc	ccttcaagtt	5040
gaaaatgttc	attctcatct	actcctatta	ttcgtatggg	tgggtctctc	attgtgtcct	5100
ggatttccctg	gatgttttga	gttaggatct	ttttgcattt	tccattttct	ttgattgttg	5160

tgcagatggt	ctctatggaa	tcttctgcac	ctgatattct	ctcttccatc	tctttagtgc	5220
tggtgctgat	gctcgcac	atgggtccag	atctcttcc	taggggttct	atctccagt	5280
ttgcccact	ttgggttttc	tgtatagtgt	ctacttccct	ttttagatct	agtatggttt	5340
tggtcatttc	catcacctgt	ttgggtgtgt	tttctgttt	ttctttaaag	acttgcaact	5400
cttttagcaga	gttctcctgt	atttaagtga	gttattaaag	tccttcttga	tgtccagtac	5460
cataattgtg	agatatgcct	ttaaacccaa	gtctagggtt	ttgggtgtgt	tggggtgcc	5520
tggactggct	gagttgggag	tgctgcattc	tgatgatggt	gagtgggtct	ggtttctgct	5580
agtaagattc	ttacatctgc	ctttcgccat	ctggtaaatct	ctggagtcag	ttgttaaagt	5640
tgtctctggt	taaagcttgt	tcctctctgt	attctgttat	tctcttccag	cagacctggg	5700
agactagctc	tttcttgagt	ttcagtggtc	agagcactct	ctgcaggcag	gatttctct	5760
ttcagggaag	gtgcacagat	atctgggtgt	cagatttgcc	tcctggcaga	agatgatggc	5820
ctgaaacagg	acctgtccca	gaagctgtta	gcttctgtag	tcaacactgt	cacctgtgca	5880
gactagtctc	gggtggagtcc	gggaaccaag	atgtctcctg	cagatgctct	ggcattccct	5940
tctggggccgg	gtgatcacct	ctcctctggc	agggaaagggtg	ccctgggtgtc	tggaaaccga	6000
aaagggggct	gcctcagaag	ctctgtgggt	actgcctgtc	ccagaagctg	ttagcttctg	6060
tagtccacac	tctcacctgt	gcagactagt	cttgggtggag	tctgggaacc	aagatgtctc	6120
ccgcagatgc	tccagccatt	ctcctctttc	tggttgcttat	tttgacctat	gaaatcctgg	6180
acatatagtt	ctagtgttgc	ttgtaatctc	ttttctaagc	caaggaattt	tttttatcta	6240
gggcacaatc	ttttgagaag	acatatataa	tcaagagaat	aaatattgca	agaccaataa	6300
atgataaggt	atctattttc	tttaaatacca	tcgctgtcaa	accattcaaa	atatcctcac	6360
ataaagccaa	aaagatat	attgtgtttc	ccatcttagt	tgagttcaag	tcaatatttt	6420
ggtgccattt	tggtgcagta	aatctctaac	acaaatatgc	ctgggcaatg	aaaacacaac	6480
tcagttaata	tgaatacaga	ttgttcagat	ctaccactac	actaccatct	tcttcatcta	6540
agagacccct	tagaacttgc	agtttctcca	ggccttgtgc	ttctgcgctg	cttttcttct	6600
tcttctctct	ctacattgct	tctctcataa	acctacttct	ttttttccct	ccttctgttc	6660
catcttccct	tttatctgcc	caatcattag	ctctccttta	ttttacaaat	taaggtgtga	6720
agccggtttc	taggaaatca	cctgagtgct	gacttggttc	ttgttcagag	ccacgcacag	6780
gagaacagaa	ttaacatcaa	atataattat	ccccagggtc	atccacaaca	cgtgcacct	6840
ataagatcac	cacggactaa	tgctgggtct	caattacaac	ataaacaaca	aaaacccac	6900
atatatgtgg	aaacaaatcg	aactatacaa	agaatcaatg	aaaccaggag	cttgttcttt	6960
gagaaaaatc	aacaagatag	ataaacctt	agccagacta	accagagggc	acagagacag	7020
tatccaaatt	aataaagtca	gaaatgaaag	gaagacataa	caatgaaata	tatcttaaaa	7080
taattaatct	gtttgttagac	tattagcagt	tgaaaatatt	aaaatcatgt	tctacaaacg	7140
tgggaattatt	attgataatt	ttctcactgt	gcttgaaatt	agcattttct	taatgtttta	7200
cttcaaagag	tttttgctat	tttgaaatat	taaacatata	cttactgata	aaataatttc	7260
cctcctaaca	acactgataa	tcttttttta	agtaaactga	ttattagaca	atgtacacag	7320
atatataatg	tgtttttaa	actctcccac	tgctcaggtg	tatcatatag	ggcctttgaa	7380
tatatatttt	aatgtattat	ttgtaatat	ttatgggtct	tcctatgctt	atcttctgaa	7440
gaatatattt	tatgttttga	aacaatttag	tatttaacat	tagatatagg	atcctcagtt	7500
atggatagta	ttaaatat	attaatgata	tttttaagg	ataaaaggat	atgaatataa	7560
aagtttaaca	aattttatgt	attatttgat	tctaaaaata	ctcaatatta	ttaatatgtt	7620
tgatgtttta	aatgcattta	aataataaaa	acattttaaaa	aaataaaaatc	aagaaatgag	7680
gttctaagca	gaggtcaagg	aaaatgagga	atagaaaaat	agtaaaaatc	aatatgtcca	7740
tttattcaag	gaaagctcct	acatagacat	tgccaccagt	tagcaaatat	tatggctctc	7800
atattagttt	aagtttaggag	actatgctta	tgttatctat	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	tctccttct	aagctgcaat	attaggtgca	tccaatttgt	8220
gaacttcaat	ttagattaca	atagacatga	ataatctgaa	ttcatgtagt	acatatttt	8280
gttttaatat	gagttaccat	tgttcagaaa	attaaataca	catgatcaca	tattcctaca	8340
tagtgctggt	agtttttccac	atctctggga	caatatctcca	aatatctcct	tcattagtga	8400
aaatatcaac	tactgtaaag	cttagctaac	atgcctttgc	aggaataaga	acatcctgga	8460
ttgaaagcta	cacaggggaga	tgtaaaactt	tctaagcaca	cacattctcc	atccattagg	8520
atcatgggtcc	atgagatttt	tctctctctc	ttcttcccat	taaatgcatg	tacatgcagg	8580
ttgggaaaca	gattgtgttg	cagaatacat	ttgcttgatt	tccacttct	tctcaatgca	8640

aataatTTTTg	aagtgttaat	tttgctgtga	gtaccacagt	ggttcttgct	ctttctgttg	8700
actcctgtct	gtgaatgttc	caggaattca	cacatggaca	cacgtggggc	tgcactctgag	8760
ctccagactc	actgttgctc	ttctgtcctc	agctgctctg	gccagggcac	agcctcgtga	8820
attcaacaaa	gaccctgata	tctcttggtt	acacctcatt	acaaatggga	actgttagag	8880
gtggacccaa	ctgcatttcc	atgaggaaag	cacatgagtt	tgagaggggtc	gttgatgata	8940
aggtagaaac	aactttaatt	cataggctga	gatatacagtc	atcacctcca	gataaacaag	9000
agccatttct	tcctgcatct	gagccctgta	agcacactag	cttttaggaat	atgttactgc	9060
tgaagtcaga	ttgggcaact	tcatagtata	caatagaaaa	tctacctgca	gatgagttca	9120
gaaccagcag	ggggcacaat	ggggccaaga	atccctagca	gagagatgtg	gtgtgtgtgc	9180
aggggactct	gcatcctctg	tggtttcctt	tcttaactta	catgtacctg	tagtgattga	9240
catgtaacgt	ttccacgctc	aaacactgtg	aagatacttt	gctaaacact	tcaaagattt	9300
atgttttctt	gatgtgtgca	tgtgtgtatt	cttttttgtt	tttagacaca	gggtttctct	9360
gtgtagtcct	ggctgccctg	gaactcactc	tgtagaccag	gctggcctcg	aactcagaaa	9420
tctgcctgct	tctgcctccc	aagtgtctgaa	gttaaagaca	tgtgccacca	ttgcctggcc	9480
atgtgtgtat	tcttgatgca	ctcttctggt	gacagataca	cagtttatatt	ccataattta	9540
tttattgtga	tgggtgtgca	ataatcactt	atgtacaaat	gtttctgaag	tataatttagt	9600
tttggtcatt	tgggtgatta	tttttttctt	tctagtatat	agcatttttg	aaaggtagat	9660
attaattgta	tgtatgggaa	ggaggctgta	aatttctaata	acttagctgc	ttttgaaatt	9720
tgtcctcaat	tctatcatcc	ttgtaaccac	cttaaatacca	tctattagcc	ttgtcacaag	9780
tgagccactg	tctcaggctg	caaactcttt	tatagattag	gtcgtgatgt	tacatccaca	9840
gcctctgcac	aatgtctcagg	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	tccagctgca	gcagtctggg	10260
gctgagctgg	tgaggcctgg	ggcctcagtg	aagatttcct	gcaaggcttt	tggctacacc	10320
ttcacaaacc	atcatataaa	ctgggtgaag	cagaggcctg	gacagggcct	ggactggatt	10380
ggatatatta	atccttataa	tgattatact	agctacagaa	ccagaagttc	aagggcaagg	10440
ccacattgac	tgtagacaaa	tcctccagca	cagcctatat	ggagcttagc	agcctgacat	10500
ctgaggactc	tgcagtctat	tactgtgcaa	gacacagtg	tacaaacaca	tcctgagtgt	10560
gtcagaaacc	ctggaggaga	agcaagcaga	gctggaatgg	agatgacaga	aagattatca	10620
tttagacttg	ctcagaaaga	gaaattttga	atgcccattt	attgcctctt	ccttacagta	10680
ctatagtgcc	tgtttttgtt	gacattttca	aactaatttc	caaagtcact	accacaattt	10740
acaatcacat	aaaaagcaag	caaggataac	attattttct	gtgcttactt	gccatttata	10800
ttcttgctta	ttctcatctc	actgagggtca	tattgggaca	ttaaatttct	ggggttactt	10860
tttattaaaa	atttttcatt	attcattcac	tttacatcct	tctagtcttc	ctctcacaca	10920
tgccttatcc	ctttctcctc	tgagaggatg	gagccctccc	taccctcgta	tccccttacc	10980
caggcacatc	aagtgtctgc	agtactagga	atattctctg	tcaatgctgc	cagacaaggc	11040
agacaagtta	gggatcagg	attcacagga	aggcaacagc	ttgagggaca	gccccactg	11100
aagttattgg	tggattcaca	tgaagactga	gttgccacatc	tgctacatat	attcaggggt	11160
cctatttaca	gctcaagtag	actcttggtg	gtgggttagt	ctcttagaac	cccaagtgtc	11220
caggttagtt	gactctgtgg	gtcttccttt	ggagttccta	tcccctccag	atccctcagt	11280
tcttctccca	actcttccat	aagacacccg	taggtccatc	caatgtttgg	ttttgggttt	11340
ttctgcatct	gcttcagtca	gctgctgggt	ggagcatctc	tgaggataat	tatgagaagc	11400
tcttatgtgc	aagcataaca	ggatatcatt	attagtgtca	gggactgggtg	cttggccatg	11460
ggatgggtct	caagtttggt	cagttatttg	gccattccca	cagtctctga	taatctttgt	11520
ccctgcattt	cttgtagaca	ggaaaaatat	tgggttgaaa	gttttggtggg	tgggttggtg	11580
tctctattgc	tccactgggc	ttctttctgg	atataggagt	ttgcctcttc	agggtccata	11640
ttcccaaagt	agtgtgtcac	actaagggtca	ctcccataca	gagggacact	cattctcttg	11700
ccacgtctct	gtccaccttc	attggacctg	agggtccctga	atcacacaga	actgcatgtg	11760
tgaaccacac	cagaacaagg	ctatctatca	gaggcctacc	ataccaggac	catcaagggt	11820
caccttactc	ccaatactga	ctacaaaaag	aacatcaagg	accaatgcag	tctatatgga	11880
taaacacact	tgaagaaca	caaacaagat	tgagggtcaac	atgacacctc	caaagcatac	11940
ctaaccgagt	acagcatgcc	ctggatatcc	taacacaatc	aaaacacaag	aaagttacct	12000
taaataccagt	cttataaagg	tgatgaaggc	ctttaaatag	gaaatgaatt	aatccttagg	12060
ataatacagg	acaatacatt	cgaacagata	gaggtcttta	ggaggaaaaga	aataaatccc	12120

tcaaagacat	acatgaaaat	acaattaaac	aggtgaaagt	aataactaca	atggtgtaag	12180
acctaaaaat	ggaaatagaa	gcaataaagt	aacacaaaact	tagaatcttg	aaggtggaaa	12240
acctagagaa	caggaatact	agatgcaagg	atgatatctt	ctaggtccat	ccatttgctt	12300
gcacaattta	tcatgtcctt	gcttttaata	gttgaacagt	atttcattgt	ttaaataaac	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	caaccatcaa	12600
tggaggactg	ttttccttgc	cagcatgtgc	tgtattttga	gtttttgatc	ctagccagtt	12660
ttatcctgca	tttcacactt	agatatggac	tatggtacag	gacagagaga	aaccaacctt	12720
ctactcacca	ggatattcta	cctgctacca	atztatttat	ttattttattt	atztatttat	12780
ttattttattt	atztatttat	attagagaac	aacaccatgc	agtttagaag	aagtactaag	12840
acgtcagtga	tgttatactg	tgcctaacct	tgcattgtac	aatctcagct	ttcaggtaag	12900
acagtgcattg	actcttatgc	agtgccaaact	gttttctgat	tgtattttatg	gtctattgccc	12960
taggaatgac	ctcctctcaa	ataaacatgg	tcaaaaagccc	atggcctgag	atgacagagc	13020
ccctagtaga	ccctagttgt	atctctgaag	tttagatatc	ataatgactt	ataaataactt	13080
atgttttatac	aatagattag	agctgctctc	agccatgacc	aaggagcttc	tgtgttcaat	13140
gaataatgat	tgatgcagac	attcgtgagt	gggtcaaaagt	gtgagaatga	ttagagagtc	13200
ctcagccaca	caagcgtaaa	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
tgggtctgact	tccactggga	atctccaata	tatctcttcc	aactaactga	ccagtttctt	13620
tttttcttat	tttctctctt	tctcgttttg	ttttgctttg	ttttgttttt	caagacaggg	13680
tttctctgtg	tagctctggc	tgtcctggaa	ctcactttgt	agatcaggct	ggcttcgagc	13740
tcataaatcc	acttgccctc	gctccttgag	tgtctgggatt	aaaggagtgg	ctaccacgcc	13800
cggctagttt	ttttttttct	tataagaaca	acatttactg	gatgggtcact	tacatatcca	13860
gaggttcagt	caattattat	caaggcagaa	gcatggcagt	ggtccagtag	tcatggcact	13920
ggggaaggag	ctgagagatc	tacatcttgc	tccaaaggga	aagaggaata	gtctgacttc	13980
catgtgtttc	agaggagggt	ttcattttccc	acccccacag	tgacacactt	cctccaacac	14040
ggccacacct	cctaataattg	ccactcttgg	atcaagcata	ttcacaccac	aaaggaaagt	14100
ttagagataa	acattaagaa	aattaatgaa	gtcattttat	cttatatgct	caacatgact	14160
agtacttaaa	accataatth	tacatgtaca	atatttcatg	gcataacata	ttttttatat	14220
ttttattaga	tattttcttt	atztatattt	caaagtgtat	accttttccc	aattcccctc	14280
caaaaatccc	ctatgccttc	ccctcatagc	cagctcccaa	acccacccac	tcctgctttc	14340
tggctctggc	attcccctat	actggggcat	aaaaccttca	caggaccaag	tgctcttctt	14400
ccattgatgg	ccaattaggc	catcctctgc	tacatatgca	gctagagcca	tgagttccac	14460
catgtgtttt	ctttgattgg	tggtttagtt	ccagggagct	ctgggggtat	tggttagttc	14520
atattgttcc	tcctatgggg	ctgcaaacc	tttcagcccc	ttgggtatth	tttctagctc	14580
cttcattggg	gaccctgtgc	tccatccaat	ggatgagtga	gcctccactt	ttgtatttgt	14640
caggaactgg	cagagtctct	caggagacaa	ttatatcagg	ctcctgtcag	caaaatctcg	14700
ttggcatctg	caatagtgtc	tgggttttgt	ggttgtttat	gggatggatt	tctgggtggg	14760
gcagtctctg	gattgtcatt	ccttttagtct	ctgcttccac	ctttgtcttt	gtaactccat	14820
ccatgggtat	tttgttcccc	cttcaaagaa	ggatcaaaaat	atccacactt	tagtcttcc	14880
tcttcttgag	tctcatgtgt	ttttcaaatt	gtatcttggg	tattctgagc	ttctaggcta	14940
atatccactt	atcagtgagt	gattatcatg	tctgttcttt	tgtgattgag	ttacctcact	15000
tagcatgata	tcctccaggt	ctatccattt	gtctaagaat	ttcataaagt	cattgtcttt	15060
aatagctgca	tcgtactcaa	ttgtgtaaat	gcaccacatt	ttctttatcc	attcctctgt	15120
tgagggacac	ttgggtttttc	ccagcttctg	gttattataa	ataaggctgc	tatgaacata	15180
gtggaacatg	tgtccttagt	acatgttggc	acatcttctg	ggatatatgc	caggagtgg	15240
attgctggat	cttctgggtg	tactatgtcc	aaatttttgg	ggaacccatca	aactgatttc	15300
ctgagtgggt	gtacaagctt	gcaatcccac	accagcaata	gtggaatgtt	catctttgtc	15360
caagtccttg	ccagcatctg	ctgtcacctg	agtttttgat	cttagccatt	cttactgggtg	15420
tgaggtggaa	tcttgggggt	gttttgattt	gcatttccct	gatgtttaag	ggttttgaac	15480
attttttaggt	gcttattaga	catttggtat	tcctcagttt	agaaatcttt	gttttagctct	15540
gtaccacatt	tttgaatagg	gttattttggt	tttctggagt	ctaacttctt	gagttctttg	15600

tacatatattgg	atatttagccc	tctatcagat	ttagaattag	taaggatcctt	tccccaaact	15660
gttggttggtt	cttttgtctt	attgacagtg	tactttgcct	tagagaagct	ttgcaatttt	15720
atgagggtccc	atgtgtcaat	tcttgatcct	atagtacaag	ccattgggtct	tttgttcagg	15780
aatttttccc	atgtgtccat	atgttcaagg	catttcccca	ctttctccac	tacaagtttt	15840
agtgtctctg	gttttatgtg	gagggtcctg	atccacttag	atttgagctt	tgtacaagga	15900
gataagaatg	gatagattca	cattcttcta	catgctctct	gccagttgag	ctagcaccat	15960
ttgttgaaaa	tgctgtcttt	tttttccccc	actggatggt	ttttagctct	tttggccaag	16020
atcaagtgac	cattgggtgtg	tgggttcatt	tcttggtcct	caattctagt	tcactgactt	16080
acctgtttgt	cactgtacaa	ggaccatgca	gcttttttca	caattgctct	gtagtacagc	16140
ttgagggtctg	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	aggtccacct	ggggatccat	catgtaaaaca	accacccaaa	acagacacta	16500
ttgtgggatgc	caagaagaac	ttgctgacag	gagttctgata	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	tcaatggtcc	tgggaagggt	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
tttcctttct	taagtgtatt	aactgatctg	tccagctgtg	attgacatgt	gatgtctcca	17160
tgctcaagcc	cagtaaagat	tctctgttaa	ataccttaca	gacttatgtt	tacttgtttt	17220
tattttgctt	tcatattttt	ttaaaaagtc	atacaatgta	ttctaataac	tcattctccc	17280
atctccaatt	tatttctaagt	ttttcttaac	tcatccaacc	acacactttt	taattctgat	17340
aaagcacccc	cccccccaaa	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
aataataagtc	aaacaaacag	aatggaagaa	ggtgggtatta	taaaaatgtc	tgcacaaata	17700
ccattaagtt	catttttcttg	ttggctacca	actgctaagc	ctgtctccct	tgattaattg	17760
tgcttatcat	cccctatgaa	ctccattgga	ggacactaat	ttttccttct	gtctccagga	17820
attgaagtgt	tgcagaactc	tcagtagctt	tattttacctg	cacaatacag	cctctaattcc	17880
aaccagtga	aattaccaca	tgagagactt	ccaaatgaaa	gaacaggtaa	agttgtctac	17940
tggcaagctt	agtaatatca	tgtaaatgcc	ttagaattta	atgacatatg	tcactcctctg	18000
aggttaataa	atccatttttg	gtgcatatat	accctgaact	caccactaac	ataatacaac	18060
aattaaaaaa	ttccaacatg	gatgcagagg	aatccctgag	ggacatttgt	tgatttgtga	18120
gcacaatata	attatttttt	gggggggaaa	tgtctgaatg	ttaactcttt	accagtgata	18180
atctattcta	ttaatgtgta	cataggtagc	actaattaaa	atcactgtgt	tatcaggtaa	18240
tgaacacagag	gaagtaggat	gctgggaaac	agactttttg	aagggtccaa	gggaaaccac	18300
agggacctag	tggtgataga	ttatgggtgag	agtccctgaga	gtggtcatag	attatagcat	18360
atttcatatg	caattgaaaa	tttcaaagaa	tgaaaatcct	tatgaaatat	agaaataaca	18420
actttactta	tgtacatata	cttcatagta	caattttttac	actgtgcata	tttctcctgt	18480
aacatctggt	tcctcctatt	ttccttttatt	ctcctagaca	atttctactga	tacaatctca	18540
tgttttttgta	taaatagttg	tatataacta	ttaaatacat	aagctgttaa	tgagtcctca	18600
ttaatgtctg	tgattttttt	attgtcttaa	ttactactat	tatctctaata	tgcattccaca	18660
ttttcaaaaag	caatgtaaat	ttcttactca	tttctgttca	aaaacttctg	ttgttgatc	18720
attaccatgc	cttagtgata	aaatcctttc	ttgacacatc	tatagctatt	gctataattt	18780
agttattgat	gatccctcctg	caataatcat	tgataggtaa	atatttttaag	cactttttact	18840
tttagtcatt	ttagtgagat	ttgaagtagt	atataacctg	ttggaaaggc	aaatatataat	18900
tccatatatg	tgaagaaga	cgctaaaact	aaaaacatta	gccactttta	gatattctct	18960
ccttcttctt	cttcttcttc	ttcttcttct	tcttcttctt	cttcttcttc	ttcttcttct	19020
tcttcttctt	cttcttcttct	tcttcttctt	ctccttctcc	ttctccttct	ccttctcctt	19080

ctcctcttcc	tcctccttcc	ttccttccct	ccttccttcc	ttccttccct	ccttccttcc	19140
ttccttccct	ccttccttcc	ttccttccct	ccttccttcc	ttccttccct	ccttccttcc	19200
ttccttctct	tctttcttcc	tttcttctct	tctttcttcc	tttcttctct	tctttcttcc	19260
tttcttctct	tctttcttcc	tttcttctct	ctcctcctcc	ttcttttctcc	ttctccttcc	19320
ccttcacctt	ccccttccct	cctcttctcc	ttccccttct	ccttctcctc	aatctacaat	19380
ctgttaacat	attaacatgt	cccagagtag	agcaacagac	tcaggtcaaa	catctactga	19440
gaaatttgcc	catgtagtta	acatctacag	catctgtcta	ggggttacaa	aaagtctatg	19500
ggatacaatt	cctcagaaaag	gaataggatt	tggacctgag	catactgctg	cctaacacat	19560
gaaatggcag	ttcttctcca	gctggactag	gtccttaact	aagaaatgca	ctgctcatga	19620
atatgcaaat	tacccaagtc	tatggcagta	aatacagaga	tgtccacacc	ctgaagacaa	19680
cctatgaaca	atgttctctc	cacagtcctt	gaagacactg	attctaggac	cgaagtccct	19740
attccgaagt	tcctattctc	tagaaaagtat	aggaacttct	cgcgctctg	gcctccgagg	19800
cctccgcgcc	gggttttggc	gcctcccgcc	ggcgcccccc	tcctcacggc	gagcgctgcc	19860
acgtcagacg	aagggcgccg	cgagcgtcct	gatccttccg	cccggacgct	caggacagcg	19920
gcccgcgtgct	cataagactc	ggccttagaa	ccccagtatc	agcagaagga	catttttagga	19980
cgggacttgg	gtgactctag	ggcactgggt	ttctttccag	agagcggaac	aggcgaggaa	20040
aagtagtccc	ttctcggcga	ttctgctggg	ggatctccgt	ggggcggtga	acgccgatga	20100
ttatataaag	acgcgcgggg	tgtggcacag	ctagttccgt	cgagccggg	atttggtcgc	20160
cggttcttgt	ttgtggatcg	ctgtgatcgt	cacttggtga	gtagcgggct	gctgggctgg	20220
ccggggcttt	cgtggccgcc	gggccgctcg	gtgggacgga	agcgtgtgga	gagaccgcca	20280
agggctgtag	tctgggtccg	cgagcaaggt	tgccctgaac	tgggggttgg	ggggagcgca	20340
gcaaaatggc	ggctgttccc	gagtcctgaa	tggaagacgc	ttgtgaggcg	ggctgtgagg	20400
tcgttgaaac	aaggtggggg	gcatggtggg	cggaagaac	ccaaggtctt	gaggccttcg	20460
ctaatacggg	aaagctctta	ttcgggtgag	atgggctggg	gcaccatctg	gggaccctga	20520
cgtgaagttt	gtcactgact	ggagaactcg	gtttgtcgtc	tgttgccggg	gcggcagtta	20580
tggcggtgcc	gttgggcagt	gcaccggtac	ctttgggagc	gcgcgccctc	gtcgtgtcgt	20640
gacgtcaccc	gttctgttgg	cttataatgc	aggggtgggg	cacctgccgg	taggtgtgcg	20700
gtaggctttt	ctccgtcgca	ggacgcaggg	ttcgggccta	gggtaggctc	tcctgaatcg	20760
acaggcgccg	gacctctggg	gaggggaggg	ataagtgagg	cgtcagtttc	tttggtcggg	20820
tttatgtacc	tatcttctta	agtagctgaa	gtcccggttt	tgaactatgc	gtcgggggtt	20880
ggcgagtgtg	ttttgtgaag	tttttttaggc	accttttgaa	atgtaatcat	ttgggtcaat	20940
atgtaatttt	cagtgttaga	ctagtaaatt	gtccgctaaa	ttctggccgt	ttttggcttt	21000
tttggttagac	gtgttgacaa	ttaatcatcg	gcatagtata	tcggcatagt	ataatacgac	21060
aaggtgagga	actaaaccat	gggatcggcc	attgaacaag	atggattgca	cgcaggttct	21120
ccggccgctt	gggtggagag	gctattcggc	tatgactggg	cacaacagac	aatcggctgc	21180
tctgatgccg	ccgtgttccg	gctgtcagcg	caggggcgcc	cggttctttt	tgtcaagacc	21240
gacctgtccg	gtgccctgaa	tgaactgcag	gacgaggcag	cgcggtatc	gtggctggcc	21300
acgacggggc	ttccttgccg	agctgtgctc	gacgttgtca	ctgaagcggg	aagggactgg	21360
ctgctattgg	gcgaagtgcc	ggggcaggat	ctcctgtcat	ctcaccttgc	tcctgccgag	21420
aaagtatcca	tcattggtga	tgcaatgcgg	cggtgtcata	cgcttgatcc	ggctacctgc	21480
ccattcgacc	accaagcgaa	acatcgcctc	gagcgagcac	gtactcggat	ggaagccggt	21540
cttgtcgatc	aggatgatct	ggacgaagag	catcaggggc	tcgcgccagc	cgaactgttc	21600
gccaggctca	aggcgccgat	gcccagcggc	gatgatctcg	tcgtgaccca	tggcgatgcc	21660
tgcttgccga	atatcatggg	ggaaaatggc	cgcttttctg	gattcatcga	ctgtggccgg	21720
ctgggtgtgg	cggaccgcta	tcaggacata	gcgttggtta	cccgtgatat	tgtctgaagag	21780
cttggcgggc	aatgggctga	ccgcttcttc	gtgctttacg	gtatcgccgc	tcccgattcg	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	atttaaacaa	gcaaaaccaa	22140
attaagggcc	agctcattcc	tcccactcat	gatctataga	tctatagatc	tctcgtggga	22200
tcattgtttt	tctcttgatt	cccactttgt	ggttctaagt	actgtggttt	ccaaatgtgt	22260
cagtttcata	gcctgaagaa	cgagatcagc	agcctctggt	ccacatacac	ttcattctca	22320
gtattgtttt	gccaaagtct	aattccatca	gacctcgacc	tgcagcccct	agagaagttc	22380
ctattccgaa	gttccctattc	tctagaaagt	ataggaactt	cctaggggttt	caccggttaa	22440
atggcatgtc	ccctgttagt	ggttcatgca	agcagaagct	gtatcctggt	tgacaaagat	22500
tcagcatgaa	aggctcctgct	acctaaaaaa	aaatagacag	atgagattta	attaacctaa	22560

ataatTTTTT	tcacaacaac	agagtgaata	cgcaattttac	agaatgacag	aaaacttttg	22620
cacacttttgc	ctgtgacagg	gaactaatat	gaagaatttg	caaggaactc	aaacaactct	22680
acaacaacaa	cagcaacaag	aaccaaataa	ctccgttaaa	atgagcaaag	gacatgagta	22740
gacatTTTtca	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	aatggtatgg	22980
agatttccca	gaaaactaga	aatagaactg	tcatttggtc	cagcaatccc	actactgggt	23040
aactacccaa	aggaaaataa	actattatTT	caaaaagata	cccaccttct	atgcttacca	23100
taaaactact	ctcaatagca	catatgtcaa	actgagtgtc	tgccaaccga	tgattttata	23160
aaagaatata	gcatgtatgc	acaattcaat	actagtcagc	cacaataagg	aatgaaactg	23220
tgtctTTTTgc	agcaagatgc	atagaagtgg	gggacaatat	aattagttaa	ctaactcaca	23280
aacagaatgt	cacatgtcac	acattattac	ttgtaagtgg	gaggtaaaca	gcggtgtacac	23340
aaggatttTgt	agagagaaat	tacacacatt	ggagacttac	aaggatgggc	gggcagaagg	23400
tggggagcatg	atgagtcatt	acataacagg	cacaatataa	aataattaag	aattgaccaa	23460
tgatcttTaaa	attaaaatgt	agaatatgat	caataaatga	acttgatatt	agttgacctc	23520
attaaattTta	aaaactTTTT	ctactcaaat	gactgtaaga	aatgaatgc	ccgggttacag	23580
atgagaaaact	gtttgcgagt	caaataacca	ccaatgtaac	tataataaga	aacttcagaa	23640
ctcaactgtg	aataaaaaag	aaacaactga	tggataaatt	aggcaagggt	ttctacagac	23700
atttcgtcaa	agaagatgtg	cagatgacac	tgaagcatat	aaacaggatc	tcaacaggat	23760
tttccgttag	agaaattcaa	atcaagcccg	caaagagaca	ccactgtaca	ctttttTaaa	23820
tggctgaaat	taagaagaaa	tacagataac	atcaatgctg	gtgagcatac	caggttgcta	23880
gaggctaaaa	cattgctaac	aggaatgcaa	aatgaaacag	atactcagga	aaataatttt	23940
tagTTTTctc	taaaatcaaa	cataccctta	acacctgaat	atttgcatac	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	cagtggTTTT	ggctggactt	tctgtgtctc	24300
tttcctgacc	agaccagat	attgagctcc	accacttgca	gatggaaaat	cctatttttca	24360
accatgcagt	gaggtttgaa	ctgcttcaca	gactgaacga	aacaaacacg	ggctcctttg	24420
aacagcgtcc	ggcattttgtt	ccaaccacaa	gagaacgtcc	ctcagctctc	ccacctcctc	24480
ggttctctcc	tgcaagccag	cagccctgca	gttttagcctg	catctcccgt	gcatccaccc	24540
atctccctcc	aagcaccttc	ccccacaccc	tccactgttt	ctgagagcac	aggcaggctt	24600
tgaactTTTtc	cgcattctgt	tgttattgaa	gttaggatgt	ttaggaccaa	cttaaggatc	24660
atattTTtatg	actgaattcc	agtgcctctt	ctctcctggg	acagagtgca	taaccaagtt	24720
tctgcaggTg	gagacgaagt	tgagctTTTT	tcttcctcag	cctaggagat	gagcgctaatt	24780
tggagggtTg	gcagaagctt	cccaccatcc	cagcactttg	gttctggTgg	ggcggaatcg	24840
gtgccatagg	gcagagctag	aaaccgcgga	ctgaatgttc	ccagtggcac	tggaccacag	24900
gcagagcctc	catccacgag	tggggctcta	tggagaagat	gagtctctgg	ctctcagtag	24960
ctctcgtcca	gcaactgaacc	tcagcatcat	gtgctgtgtg	cagggtcaga	gggccaacgt	25020
actggccccct	gggaaagcgt	ttcctctggg	gggagttggg	agaaggTgtc	ctgtcttctt	25080
ggctgcattct	gtccgcagtg	gagtttacat	catgctgagc	tgggatgtgg	aagggaaggaa	25140
gagcatctTta	gatcaaatat	gatgactggc	cttactgagt	tttctagatt	ttcctgaata	25200
aatgtTTtctt	cactcactgt	gtgctgttag	agtctttcca	aacctgtaat	ttcccaaaaat	25260
aatttttTact	ggtctcatga	gggcatggat	tcattgagcc	cctcatgctg	tcaaagagaa	25320
atagaactgt	ttttttTTTT	cacttcatag	cgaacatcca	tgggttatca	aataatgggc	25380
tggctTTTTct	tccaacactt	tacagacacc	atcaattttc	ttcttgctta	taaggTTTTta	25440
accagaagaa	tgctgtcatg	gtctttttctg	ttcttttgga	aggaatgccc	cctctactca	25500
cctccactTg	tctgcctgta	tttctatttg	tctttggTtt	tcaacaattt	taataagatt	25560
tacctaaatg	tgtgtggggg	gagcatgggg	tgttattctg	ctgttctgtg	ttctctgaga	25620
tgcattggatt	caccattttac	tctgtctcca	tttttTgtgaa	aacaattaga	aaaaaagtca	25680
gtatgagccc	agaaaacaagc	ctccctgaag	tgggcacagg	accacctggg	ggcgctcagg	25740
accactgaa	cacaagagcc	agccccagg	caggTgcaga	tgcgggttaa	gttctgtgtt	25800
cctgtcacc	ctgtTggcttc	ctctccataa	aacagtTttcc	tttTgtggcat	atctctggat	25860
tccttatcct	gttcttctctg	tgaagtctct	gaagaagaaa	catttTgtcgt	aacaagagaa	25920
aaactTTtctc	acatgcacca	aaggcagagt	cacctacagt	cacttactcc	tgtttctcaa	25980
tgtcaataag	ttaccaatgc	ttctgaagtt	aatcagctaa	atctataaaa	ggTgcggTgt	26040

ttaactcagc	attacagccc	agctcaacag	aactccaaag	gtcagccagc	agcagccagg	26100
aaaaagtgc	tgctgggcat	tggggcagag	ggagttacca	tccagtgc	gagaagaaag	26160
cccccggtg	ggtcattgtc	aggactccaa	tcccacagtt	ccaattgtag	gtgatgccag	26220
gcaaaggaag	agagacccca	ccaatggtta	gtgtggatgt	cgagtttgat	gtttccacac	26280
tcacactcca	ggtgaatatg	aaaagattta	ttagctctat	ttctgaggtg	tctgctgaga	26340
gcagcacagt	cctctcaaga	aattacagat	tggaaatttc	tcagtagagc	aggaaaggag	26400
gctggctcag	ggctttataa	tgattttggtg	gtgggggtcgg	cggggggggg	ggggcgtttc	26460
tactcaggag	aaggagcttg	tgtgatttaa	acctcacact	gacatcacat	gagggagctt	26520
ccatgatttc	ttactagatt	tcccatgtgt	gggggacaag	gatgaggag	aataaacctt	26580
aattcatcag	catcaaggca	ccaaaaatag	gacctgacac	tttattctcc	ctagcagctt	26640
aagaaaatga	gtgaaaaaga	gagataagag	tccacccatg	tgctgaaaag	catagctctt	26700
ggtaaagacg	agaaaaaggc	actcctacga	agaaggggtt	gggcagaagc	tttatgctga	26760
aggggttggc	taaagagaca	taatcaacag	gttacaggag	gggctactga	tgttcattga	26820
ggtggctcctc	acacatgcat	actgaacaaa	catgtctgta	acgtatgacc	cctgttcact	26880
taccagtgga	gacttagcat	ttaaattcat	tccagtccag	ccctatgtgc	aaacagcaga	26940
agcagagaca	caaaggtact	caggggtgcag	cctctgtgaa	cggccagagc	caggccatgg	27000
tcagcgggtct	cggattagga	gaaagttcct	gatatacactg	tagtgttcaa	tcaaagctgg	27060
ggttatgggt	tgtggaacag	gggtcagttc	atcaggggggt	gggctgcaat	tgtcttcata	27120
gtgcttgtct	cagtgcgggt	gcttactgag	ccactagaga	aaaaggttta	attgagcttc	27180
tttaaaatca	acattttgaa	ttattttatca	gacgtttcaa	atatgtcatg	ttgttttagat	27240
tctattgctg	gagagttaag	gtgataattg	gggttttgta	actctgtttt	ttcatacttc	27300
ctgaattgct	tatctgtttg	cttttcatta	gctaaactat	cgcttcttct	tattttttaa	27360
ttcattctga	ttttgatgaa	tatttaattc	ccttttagaat	gtgaatataa	tgtacattgt	27420
gtgggtat	tgattttgggt	tcttggttta	cttagtgcca	aagactctgt	aagagttcct	27480
tgtctataga	tagccattat	ttagtggtct	tctgaaatgg	tggttttagt	accaaagtac	27540
tggacttgtg	agtaggctca	ctgccccctg	caggtccctag	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	agtgaacctga	gttcctctgct	cagccccctga	gaggtggacc	aagctggaca	27840
cacatgagcc	accgagcctg	gcaagcaaaa	gcgccagcct	tgatggaaat	ggcgagctga	27900
gcggcatacta	ctcagtggtg	tttcttttgt	tattaagagc	tttagtggtg	tggtgttttc	27960
aaattcccgt	tgtagtagta	atatactggg	tatgtgagca	ggcccgtgggt	cttttgccggg	28020
gttggaatca	ccgaagtaat	gagaagctaa	tctcattttc	aactgctgta	cactggtgggt	28080
attgagtttg	tatgaggctca	tgcagtttga	acgtcaggcc	agtaggtgggt	gctcgcaggt	28140
aagagccggc	tatggtggca	gcagaagggt	ttatgcttta	ctggtgatta	aagtgggaaa	28200
cttggcgtgt	tccagatctt	agagaaaaga	tttttagtta	tttctcattc	aacctgatac	28260
tacctgaaag	tctctcgaat	gtaactttta	ttttgtcgag	atgggttctt	tctataccca	28320
ttttttatgt	tttttttgtg	aaaggatgtt	gtttcatcaa	atgcgttttc	agcatcaatt	28380
gaaaaaagtt	atatgtggat	taaagatcaa	aatgtaaaac	ctaacactat	aaaacctctg	28440
gataataaca	taggaaacag	aatttaggag	gtaagaactg	acaaaggttt	tataatgaaa	28500
atgctagaag	tagttgcaac	aaaattgaaa	attgacaaat	gggacctaa	taaattaaag	28560
aacttctgta	cagcaaaaaga	cactatcgac	agagtaaaca	ggcaacctac	agaatgggaa	28620
ataaaatatt	tgcagcctat	acatctgaca	aagggtccgac	acttagtata	tacatggaaa	28680
tttaacaaac	atacaagaaa	taaaaagtga	ccaaaggaca	tgaaaagaca	cttcaaaaaa	28740
gacctacatg	tggccaacaa	gcataggaaa	aaatgctgaa	tatcactatc	attagagaaa	28800
tacatatcaa	aacctcaatg	aggtaccgtc	tcacatcagt	caggatgggt	aatcttaaaa	28860
aaaaaataac	agatttttaa	ggttacagaa	aaaaggggaa	atttatacac	ttttggcggg	28920
aatataaatg	agttcaacca	ttgtggaaag	cagtgtgggtg	atccctccaa	taacctaaaa	28980
cagaagtttc	atttgaccca	acaatcctac	aactggacat	atacctaaag	gaatataaac	29040
atgtaggttc	actgcagcac	tatccacaat	agcatagaca	tggaaatttac	ctaaatcccc	29100
atcactggca	gaatgataga	gaaaaatgtg	gtacatacaa	ccatggaata	ctatgcagct	29160
aaggaaagaa	tgaaactatg	tcctttgtag	gaacatgatg	gaactggcag	tcaatactct	29220
tagaaaacta	attcaggaac	agaaaaccag	atattatata	ttctccctta	tttgttgagg	29280
ataaataaaa	gcaaatattc	ttccaggggc	tgagtcttcc	ttattcaaca	agtcattcta	29340
aattaagtgt	tcagcaagtt	gctgatactc	atctaaatat	tctatttcat	ctgggccact	29400
tacatcactc	aaaaagcaat	gagagctata	tttctaaggg	gggttctagg	ataataaata	29460
cctgaatagt	gagaatatga	aggatatgga	aactgggcc	cttatatcac	tcaaaaagg	29520

atgagagcta	tatttataag	gggggttcta	ggataataaa	tacctgaata	gtgagaatat	29580
gaaggatatg	gaaactgggc	cacttatatc	actcaaaaag	caatgaaagc	tatatattaca	29640
aggggggttc	taggataata	aatatctgaa	tagtgagaat	atgaaggata	tggatggttt	29700
ttttttaact	caatgggcac	ataactgtgg	gagatactat	attcctatga	agaaggattt	29760
cagacttcag	agataagtaa	tgtttcctac	attgtgcttg	tgacttgga	gcagtggtt	29820
gaagagtgtg	ataagtggc	agaccaagca	gaacagaaat	cagcatgtaa	agatgatgat	29880
ctatggatat	gatctaaaac	catgtaaata	cttcaataaa	ttctatttaa	tgcagtttga	29940
aataaaacac	aaacttattc	aaaatacaaa	ttacttggt	attatttttg	gagctatgag	30000
ttcaccaaga	aactcaaatt	cctattttcta	tttcaacccc	tgattcctac	tgtcaatggg	30060
agggaagtct	cagaaccaat	cacacatcag	acggcaaate	tgtcaaccaa	gagtccttcc	30120
actgaaggac	ctgggaggtc	aggaccctca	ggaaagtgtc	ggggaccctg	tcttgggagt	30180
gccagcgaga	tctcagaact	ctccatgggt	cctgctggac	actcatgtag	ggtaacgagt	30240
ggccaccttt	tcagtgttac	cagtgtgctc	tgagtgttcc	taatgggacc	aggatgggtc	30300
taggtgcctg	ctcaatgtca	gagacagcaa	tggtcccaca	aaaaacccag	gtaatcttta	30360
ggccaataaa	atgtgggttc	acagtgtgga	gtgcatcctg	gggttgggg	ttgttctgca	30420
gcggaagag	cgctgtgcac	agaaagctta	gaaatggggc	aagagatgct	tttcctcagg	30480
caggatttag	ggcttgggtc	ctcagcatcc	cacacttgta	cagctgatgt	ggcatctgtg	30540
ttttctttct	cctcctagat	caggctttga	gctgtgaaat	accctgcctc	atgcatatgc	30600
aaataacctg	aggtcttctg	agataaatat	agatatattg	gtgccctgag	agcatcacat	30660
aacaaccaca	ttcctcctct	gaagaagccc	ctgggagcac	agctcatcac	catggactgg	30720
acctggaggt	tcctctttgt	ggtggcagca	gctacaggta	aggggcttcc	tagtcctaag	30780
gctgaggaag	ggatcctgg	ttagttaaag	aggattttat	tcacccctgt	gtcctctcca	30840
caggtgtcca	gtcccagggt	cagctgggtc	agtctggggc	tgaggtgaag	aagcctgggt	30900
cctcggtgaa	ggtctcctgc	aaggcttctg	gaggcacctt	cagcagctat	gctatcagct	30960
gggtgcgaca	ggcccctgga	caagggcttg	agtggatggg	agggatcatc	cctatctttg	31020
gtacagcaaa	ctacgcacag	aagttccagg	gcagagtcac	gattaccgag	gacaaatcca	31080
cgagcacagc	ctacatggag	ctgagcagcc	tgagatctga	ggacacggcc	gtgtattact	31140
gtgcgagaga	cacagtgtga	aaacccacat	cctgagagtg	acaaaaaccc	tgagggagaa	31200
ggcagctgtg	ccgggctgag	gagatgacag	gggttattag	gtttaaggct	gtttacaaaa	31260
tgggttatat	atttgagaaa	aaaagaacag	tagaaacaag	tacatactct	aattttaaga	31320
taaatatcc	attcaagagt	cgtaataata	gccaaattca	cagagtggaa	aaggcgcgat	31380
cgcgagcag	gggatcctta	gatattgggt	gggttattct	caccttaggt	ctgaatatgg	31440
ggttgtctta	gactgttttg	tgctgttaga	atagaatacc	caagactggg	aaatttatac	31500
tgaacgaaa	tttattttct	acagttctag	aggctgtgaa	gtccaagagc	acaggtgcca	31560
gagcaagtcc	aagagcaagg	gaaagtccaa	agcaagtcca	ggagcatctg	gcgaggacct	31620
tcttgctgtg	tcatcacatg	gcggaaggca	agaaagagag	caagaggggg	ccgaactcac	31680
ccttttataa	cagcaccaat	cccacccatg	agggtggggc	cttatgacct	aatcactctt	31740
catactgtta	caatggcaat	gaaatttcaa	catgagtttt	ggaggagaga	agcattcaaa	31800
ccacagcaag	ggtgtctcta	cctcctctct	cagggcacat	gcagaaagag	ctgcaactgc	31860
acgtccttcc	tccgtccatc	ctccatccct	tcccaatgtc	cgtgcataat	ctgtgaccca	31920
ggaggtctgg	cataggggg	gtcctgtgct	taggtctgag	gccctgtctg	aagaggggta	31980
ggtgaggagg	ccatctgatg	gtctgggcca	agacagtcac	aggacgcac	atttatcatc	32040
aaggaggctg	agggttgagt	ctccaggctc	agggaaactcc	ccacaaagtg	ggaaccctgc	32100
ccagctccac	acagcctctg	ctgggggacc	ctgctctggt	gcagagcctg	gggacaggtc	32160
ttgagctcag	ccagagtctg	cctccctgtc	atttaggaac	taaaccaagc	ggcaggatgc	32220
tggagcccag	cccccatctg	accttacagg	gccaaaggctg	gggcctggg	ttccctcaa	32280
ggcgagcag	gactggagcc	ccaggcagtg	caggagtggc	caaagctggg	gcttcctcca	32340
gagcccccaa	gcatcacggc	accaagaagg	gtaggacctt	ggcctgagga	attggcacca	32400
aagccccaga	aactaccctg	gacaccatgg	agagaggcct	ggaggggaag	caccaggcac	32460
tgcctcccct	tctgatccca	cctgaggtgg	ctgccaaagg	cagagagccg	ctctgatgtc	32520
ccccagccct	gcagcccagg	gataacctgt	ctgtgcccct	gggggacccc	tggccagtct	32580
gtgcaaagaa	gtcaccaccc	tacactcaga	gacagtgggg	gtcctcgtcc	cacatcctca	32640
gagcatggcc	cggctgtctg	agggatggtc	tcttggtcct	cagagcatgg	cccggctgct	32700
gcagggatgg	tctcctggtc	ctcagagcat	ggcccagctg	ctgcagggat	ggtctcctgg	32760
aggccccca	gtgctctatt	gtcagggtct	cctccacccc	cccgcaccaa	gagagagcca	32820
gacccccagca	aggcttccag	tggcttcagg	tcacacccct	aggctgacct	cagccccatt	32880
aacacctgcc	tgagaaaagc	ccacgcacca	gaactgaccg	tctgtctcaa	ctcttgacct	32940
cccgttctca	ggcgctctgc	tgaagggtct	gcaactgcac	atccttctct	cgtccgttcc	33000

cgatgtccgt	gtgtctctctg	tggccaggaa	ggtctttctc	gggacctgag	agccgctccc	33060
tgaagtgtcc	ccattgggaa	ggatggggcc	tgtgtctcca	ggctctggga	ggacagaatc	33120
ctgacctcaa	cagtggccgg	cacggacaca	actggcccca	tcccggggac	gctgaccagc	33180
gctgggcaac	ttttcccttc	cccagcact	gagccccgag	caccctccct	gctcccctac	33240
cacctccctt	tacaaggctg	tggcctctgc	acagatgata	atggagcttg	gctcattccc	33300
ctagagtcgg	tagggagtta	aggacaaaac	tcagtttccct	ccacctgaac	tcaagtctgc	33360
ctatgtttac	ctaatacacac	ctggtggaca	gtttggacaa	acttgcacac	tcagagacac	33420
agacacttct	agaaatcatt	atctccctgc	cccggggacc	ccactccagc	agaagtctgc	33480
taggcaactg	cctggggcct	cctgctgtcc	taggaggctg	ctgacctcct	gcctggctcc	33540
tgtccccagg	tccagagtca	gagcagactc	cagggacgct	gcaggctagg	aagccgcccc	33600
ctccaggcca	gggtctagt	caggtgccca	ggacaagaaa	gattgtgaat	gcaggaatga	33660
ctggggccaca	cccctcccgt	gcacgcccc	tcttgccctg	cacccacag	cccagcccc	33720
cgtgctggat	gccccccac	agcagaggtg	ctgttctgtg	atcccctggg	aaagacgccc	33780
tcaacctcca	ccctgtccca	cggcccaagg	aagacaagac	acaggccctc	tcctcacagt	33840
ctccccacct	ggctcctgct	gggacctca	aggtgtgaac	agggaggatg	gttgtctggg	33900
tggccccctag	gagcccagat	cttcaactcta	cagaccccaa	cccaagcacc	cccttctgca	33960
gggcccagct	catccccctc	ctcctccctc	tgtctctcctc	tcgtcgcctc	tacgggaaat	34020
ccgggactca	gcagtaacct	tcaggaagca	gggcccaggc	gccgtttaat	aggaggcttc	34080
ctcacaatga	aacttttaga	aagccttgac	tacaatgatg	accttggtgt	ggctgtgaac	34140
actgtcagct	cccacagctg	ctgcagcaaa	aaatgtccat	agacagggtg	ggggcccggg	34200
gtcgtctgct	gtcctgctca	gccacagca	cgcatggagg	atctgagggtg	ccacacctga	34260
cgcccaggcc	agaacatgcc	tccctccagg	gtgacctgcc	atgtcctgca	ttgctggagg	34320
gacaggggca	gcctatgagg	atctggggcc	aggagatgaa	tcctattaac	ccagaggaaa	34380
actaacagga	cccaagcacc	ctcccgttg	aagctgacct	gccagagggg	gcctggggcc	34440
acccacacaca	ccggggcgga	atgtgtacag	gccccggctc	ctgtgggtgt	tccgctaact	34500
ggggctccca	gtgtcacc	cacaactaaa	gcgagcccca	gcctccagag	ccccgaagg	34560
agatgccgcc	cacaagccca	gccccatcc	aggaggcccc	agagctcagg	gcgccggggc	34620
agattctgaa	cagccccgag	tcacggtggg	tacaactgga	acgaccaccg	tgagaaaaac	34680
tgtgtccaaa	actgtctcct	ggccctgct	ggaggcccg	ccagagaggg	gagcagccgc	34740
cccgaacct	ggtcctgctc	agctcacacg	acccccagca	cccagagcac	aacggagtcc	34800
ccattgaatg	gtgaggacgg	ggaccagggc	tccagggggg	catggaaggg	gctggacccc	34860
atcctactgc	tatggtccca	gtgtcctg	ccagaactga	ccctaccacc	gacaagagtc	34920
cctcagggaa	acgggggtca	ctggcacctc	ccagcatcaa	ccccaggcag	cacaggcata	34980
aacccccacat	ccagagccga	ctccaggagc	agagacaccc	cagtaccctg	ggggacaccg	35040
accctgatga	ctccccactg	gaatccaccc	cagagtccac	caggaccaa	gaccccgccc	35100
ctgtctctgt	ccctcaactca	ggacctgctg	cggggcgggc	catgagacca	gactcgggct	35160
tagggaacac	caactgtggc	ccaacctcga	ccaggccaca	ggcccttctc	tcctgcctg	35220
cggcagcaca	gactttgggg	tctgtgcaga	gaggaatcac	agaggcccca	ggctgagggtg	35280
gtgggggtg	aagaccccca	ggaggtggcc	cacttccctt	cctcccagct	ggaaccacc	35340
atgaccttct	taagatagg	gtgtcatccg	aggcagggtcc	tccatggagc	tcccttcagg	35400
ctcctccccg	gtcctcacta	ggcctcagtc	ccggctgcgg	gaatgcagcc	accacaggca	35460
caccaggcag	cccagaccca	gccagcctgc	agtgcccaag	cccacattct	ggagcagagc	35520
aggctgtgtc	tgggagagtc	tgggtccccc	accgcccccc	cgcacacccc	acccaccctc	35580
gtccaggccc	tatgcaggag	ggtcagagcc	ccccatgggg	tatggactta	gggtctcact	35640
cacgtggctc	ccctcctggg	tgaaggggtc	tcatgcccag	atccccacag	cagagctggt	35700
caaaggtgga	ggcagtggcc	ccagggccac	cctgacctgg	accctcaggc	tcctctagcc	35760
ctggctgccc	tgtgtccct	gggaggcctg	gactccacca	gaccacagg	ccagggcacc	35820
gcccataggt	gctgcccaca	ctcagttcac	aggaagaaga	taagctccag	acccccaa	35880
ctgggacctg	ccttctctg	accgcttgta	gtccagacc	tccgtgcctc	ccccgaccac	35940
ttacacacgg	gccagggagc	tggtccacaa	agatcaaccc	caaaccggga	ccgcctggca	36000
ctcgggccc	tgccacttcc	ctctccattt	gttcccagca	cctctgtgct	ccctccctcc	36060
tccctccttc	aggggaacag	cctgtgcagc	ccctccctgc	acccacaccc	ctggggaggc	36120
ccaaccctgc	ctccagccct	ttctcccccg	ctgctcttcc	tgcccatcca	gacaaccctg	36180
gggtcccatc	cctgcagcct	acaccctgg	ctccacccag	acccctgtct	ctccctccag	36240
acacccctcc	caggccaacc	ctgcacatgc	aggccctccc	cttttctgct	gccagagcct	36300
cagtttctac	cctctgtgcc	tacccctg	ctcctcctgc	ccacaactcg	agctcttcc	36360
ctcctggggc	ccctgagcca	tggcactgac	cgtgcactcc	cacccccaca	ctgcccagtc	36420
cctcaccttc	ctcctggaca	ctctgacccc	gctccccctc	tggaccacgc	cctgggtattt	36480

ccaggacaaa	ggctcaccce	agtcttcccc	atgcaggccc	ttgccctcac	tgcccggtta	36540
cacggcagcc	tcctgtgcac	agaagcaggg	agctcagccc	ttccacaggc	agaaggcact	36600
gaaagaaatc	ggcctccagc	accctgatgc	acgtccgcct	gtgtctctca	ctgcccgcac	36660
ctgcagggag	gctcggcact	ccctgtaaag	acgagggatc	caggcagcaa	catcatggga	36720
gaatgcaggg	ctcccagaca	gcccagccct	ctcgcaggcc	tctcctggga	agagacctgc	36780
agccaccact	gaacagccac	ggagcccgt	ggatagtaac	tgagtcagtg	accgacctgg	36840
agggcagggg	agcagtgaac	cggagcccag	accatagggg	cagagaccag	ccgctgacat	36900
cccagagcccc	tacttgccgg	ccccagaaca	ccgcgtggaa	acagaacaga	cccacattcc	36960
cacctggaac	agggcagaca	ctgctgagcc	cccagcacca	gccctgagaa	acaccaggca	37020
acggcatcag	agggggctcc	tgagaaagaa	aggaggggag	gtctccttca	ccagcaagta	37080
cttcccttga	ccaaaaacag	ggtccacgca	actccccag	gacaaaggag	gagccccctg	37140
tacagcactg	ggctcagagt	cctctccccc	acaccctgag	tttcagacaa	aaacccccctg	37200
gaaatcatag	tatcagcagg	agaactagcc	agagacagca	agaggggact	cagtgactcc	37260
cgcgggggaca	ggaggatttt	gtgggggctc	gtgtcactgt	gaggatattg	tagtagtacc	37320
agctgctata	cccacagtga	cacagcccca	ttcccaaagc	cctgctgtaa	acgcttccac	37380
ttctggagct	gaggggctgg	ggggagcgtc	tgggaagtag	ggcctagggg	tggccatcaa	37440
tgcccaaaaac	gcaccagact	cccccccaga	catcacccca	ctggccagtg	agcagagtaa	37500
acagaaaaatg	agaagcagct	gggaagcttg	cacaggcccc	aaggaaagag	ctttggcggg	37560
tgtgcaagag	gggatgcggg	cagagcctga	gcagggcctt	ttgctgtttc	tgctttcctg	37620
tgcagatagt	tccataaact	ggtgttcaag	atcgatggct	gggagtgagc	ccaggaggac	37680
agtgtgggaa	gggcacaggg	aaggagaagc	agccgctatc	ctacactgtc	atctttcaag	37740
agtttgccct	tgcccacaaa	tgctgcatca	tgggatgctt	aacagctgat	gtagacacag	37800
ctaaagagag	aatcagtga	atggatttgc	agcacagatc	tgaataaatt	ctccagaatg	37860
tggagccaca	cagaagcaag	cacaaggaaa	gtgcctgatg	caagggcaaa	gtacagtgtg	37920
taccttcagg	ctgggcacag	acactctgaa	aagccttggc	aggaactccc	tgcaacaaag	37980
cagagccctg	caggcaatgc	cagctccaga	gccctccctg	agagcctcat	gggcaaagat	38040
gtgcacaaca	ggtgttttct	atagccccc	actgagaatg	aagcaaacag	ccatctgaag	38100
gaaaacaggc	aaataaacga	tggcaggttc	atgaaatgca	aaccagaca	gccagaagga	38160
caacagttag	ggttacagg	gactctgtgg	ttgagttcat	gacaatgctg	agtaattgga	38220
gtaacaaagg	aaagtccaaa	aaatactttc	aatgtgattt	cttctaaata	aaatttacag	38280
ccggcaaaaat	gaactatctt	cttaagggat	aaactttcca	ctagggaaaac	tataaggaaa	38340
atcaagaaaa	ggatgatcac	ataaacacag	tggctggttac	ttctactggg	gaaggaagag	38400
ggtatgaact	gagacacaca	gggttgga	gtctcctaac	aagaacagaa	caaatacatt	38460
acagtacctt	gaaaacagca	gttaaaattc	taaattgcaa	gaagaggaaa	atgcacacag	38520
ctgtgttttag	aaaattctca	gtccagcact	gttcataata	gcaaagacat	taacccaggt	38580
tggataaata	aacgatgaca	caggcaattg	cacaatgata	cagacataca	ttcagtatat	38640
gagacattga	tgatgtatcc	ccaaagaaat	gactttaaag	agaaaaggcc	tgatatgtgg	38700
tggcactcac	ctccctgggc	atccccggac	aggctgcagg	cacactgtgt	ggcagggcag	38760
gctggtacct	gctggcagct	cctggggcct	gatgtggagc	aggcacagag	ccgtatcccc	38820
ccgaggacat	atacccccaa	ggacggcaca	gttggtacat	tccggagaca	agcaactcag	38880
ccacactccc	aggccagagc	ccgagagggg	cgcccatgca	cagggaggca	gagcccagct	38940
cctccacagc	cagcagcacc	cgtgcagggg	ccgccatctg	gcaggcacag	agcatgggct	39000
gggaggaggg	gcagggacac	caggcagggg	tggcaccaac	tgaaaattac	agaagtctca	39060
tacatctacc	tcagccttgc	ctgacctggg	cctcacctga	cctggacctc	acctggcctg	39120
gacctcacct	ggcctagacc	tcacctctgg	gcttcacctg	agctcggcct	cacctgactt	39180
ggaccttgcc	tgtcctgagc	tcacatgac	tgggcctcac	ctgacctggg	tttcacctga	39240
cctgggcttc	acctgacctg	ggcctcatct	gacctgggcc	tactggcctt	ggacctcacc	39300
tggcctgggc	ttcacctggc	ctcaggcctc	atctgcacct	gctccaggct	ttgctggaac	39360
ctcagtagca	ctgaggctgc	aggggctcat	ccagggttgc	agaatgactc	tagaacctcc	39420
cacatctcag	ctttctgggt	ggaggcacct	ggtggccag	ggaatataaa	aagcctgaat	39480
gatgcctgcg	tgatttgggg	gcaatttata	aacccaaaag	gacatggcca	tgcagcgggt	39540
agggacaata	cagacagata	tcagcctgaa	atggagcctc	agggcacagg	tgggcacgga	39600
cactgtccac	ctaagccagg	ggcagaccgg	agtgtccccc	cagtagacct	gagagcgctg	39660
ggcccacagc	ctcccccctg	tgcccctgcta	cctcctcagg	tcagccctgg	acatcccggg	39720
tttccccagg	cctgggcgga	ggtttggggg	gaggtctgtg	tactgtgggt	attacgattt	39780
ttggagtggg	tattataccc	acagtgtcac	agagtccatc	aaaaacccat	ccctgggaac	39840
cttctgccac	agccctccct	gtggggcacc	gccgcgtgcc	atgttaggat	tttgactgag	39900
gacacagcac	catgggtatg	gtggctaccg	cagcagtgca	gcccgtgacc	caaacacaca	39960

gggcagcagg	cacaacagac	aagcccacaa	gtgaccaccc	tgagctcctg	cctgccagcc	40020
ctggagacca	tgaacacagat	ggccaggatt	atcccatagg	tcagccagac	ctcagtccaa	40080
caggtctgca	tcgctgctgc	cctccaatac	cagtcceggat	ggggacaggg	ctggcccaca	40140
ttaccatttg	ctgccatccg	gccaacagtc	ccagaagccc	ctccctcaag	gctggggccac	40200
atgtgtggac	cctgagagcc	ccccatgtct	gagtaggggc	accaggaagg	tggggctggc	40260
cctgtgcaact	gtccctgccc	ctgtgggtccc	tggcctgcct	ggccctgaca	cctgggcctc	40320
tcctgggtca	tttccaagac	agaagacatt	cccaggacag	ctggagctgg	gagtccatca	40380
tcctgcctgg	ccgtcctgag	tcctgcgct	ttccaaacct	caccgggaa	gccaacagag	40440
gaatcacctc	ccacaggcag	agacaaagac	cttcagaaa	tctctgtctc	tctccccagt	40500
gggcaccctc	ttccagggca	gtcctcagtg	atatcacagt	gggaaccac	atctggatcg	40560
ggactgcccc	cagaacacaa	gatggcccac	agggacagcc	ccacagccca	gcccttccca	40620
gaccctaaa	aggcgtccca	ccccctgcat	ctgccccagg	gctcaaactc	caggaggact	40680
gactcctgca	caccctcctg	ccagacatca	cctcagcccc	tcctggaagg	gacaggagcg	40740
cgcaaggggtg	agtcagaccc	tcctgccctc	gatggcaggc	ggagaagatt	cagaaaggctc	40800
tgagatcccc	aggacgcagc	accactgtca	atggggggccc	cagacgcctg	gaccagggcc	40860
tgcgtgggaa	aggcctctgg	gcacactcag	gggctttttg	tgaagggtcc	tcctactgtg	40920
tgactacagt	aactaccaca	gtgatgaacc	cagcagcaaa	aactgaccgg	actcccaagg	40980
tttatgcaca	cttctccgct	cagagctctc	caggatcaga	agagccgggc	ccaagggttt	41040
ctgcccagac	cctcggcctc	tagggacatc	ttggccatga	cagcccatgg	gctgggtgcc	41100
cacacatcgt	ctgccttcaa	acaagggtct	cagagggtctc	tgaggtgacc	tcactgatga	41160
ccacagggtgc	cctggccccct	tccccaccag	ctgcaccaga	ccccgtcatg	acagatgccc	41220
cgattccaac	agccaattcc	tggggccagg	aatcgctgta	gacaccagcc	tccttccaac	41280
acctcctgcc	aattgcctgg	attcccattc	cggttggaat	caagaggaca	gcattcccca	41340
ggctcccaac	aggcaggact	cccacaccct	cctctgagag	gccgtgtgt	tccgtagggc	41400
caggctgcag	acagtcccc	tcactgcca	ctagacaaat	gcctgtgtga	gatgtcccca	41460
cctggaaaat	accactcatg	gagccccag	ccccaggtag	agctgtagag	agagtctctg	41520
aggccccctaa	gaagtagcca	tgcccagttc	tgcggggacc	ctcggccagg	ctgacaggag	41580
tggacgctgg	agctgggccc	atactgggccc	acataggagc	tcaccagtga	gggcaggaga	41640
gcacatgccg	gggagcacc	agcctcctgc	tgaccagagg	cccgccccag	agcccaggag	41700
gctgcagagg	cctctccagg	gggacactgt	gcatgtctgg	tccttgagca	gccccccacg	41760
tccccagtec	tggggggccc	tggcacagct	gtctggaccc	tctctattcc	ctgggaagct	41820
cctcctgaca	gccccgcctc	cagttccagg	tgtggttatt	gtcagggggt	gtcagactgt	41880
ggtggataca	gctatggtta	ccacagtgg	gctgcccata	gcagcaacca	ggccaagtag	41940
acaggccccct	gctgtgcagc	cccaggcctc	cagctcacct	gcttctcctg	gggtctcaa	42000
ggctgctgtt	ttctgcactc	tccccctctg	ggggagggtt	ccctcagtgg	gagatctgtt	42060
ctcaacatcc	cacggcctca	ttcctgcaag	gaaggccaat	ggatgggcaa	cctcacatgc	42120
cgcggctaag	ataggggtgg	cagcctggcg	gggacaggac	atcctgctgg	ggtatctgtc	42180
actgtgccta	gtggggcact	ggctcccaaa	caacgcagtc	cttgccaaaa	tccccacggc	42240
ctcccccgct	aggggctggc	ctgatctcct	gcagtcctag	gaggctgctg	acctccagaa	42300
tggctccgtc	cccagttcca	gggcgagagc	agatcccagg	ccggctgcag	actgggaggc	42360
cacccccctc	ttcccagggt	tactgcagg	tgaccagggc	aggaaatggc	ctgaacacag	42420
ggataaccgg	gccatcccc	aacagagtcc	acccccctct	gctctgtacc	ccgcaccccc	42480
caggccagcc	catgacatcc	gacaaccca	caccagagtc	actgcccggg	gctgccctag	42540
ggaggacccc	tcagccccca	ccctgtctag	aggactgggg	aggacaggac	acgccctctc	42600
cttatggttc	ccccacctgg	ctctggctgg	gacccttggg	gtgtggacag	aaaggacgct	42660
tgcctgattg	gcccccagga	gcccagaact	tctctccagg	gaccccagcc	cgagcacccc	42720
cttaccagg	acccagccct	gcccctcctc	ccctctgctc	tcctctcctc	accccatggg	42780
aatccagaat	ccccaggaag	ccatcaggaa	gggctgaggg	aggaaagtgg	gccactgcac	42840
caccaggcag	gaggctctgt	ctttgtgaac	ccagggagg	gccagcctcc	tagagggtat	42900
ggtccaccct	gcctatggct	cccacagtgg	caggctgcag	ggaaggacca	gggacgggtg	42960
gggggagggc	tcaggggccc	gcgggtgctc	catcttggat	gagcctatct	ctctcaccca	43020
cggactcgcc	cacctcctct	tcaccctggc	cacacgtcgt	ccacaccatc	ctaagtccca	43080
cctacaccag	agccgggcaca	gccagtgcag	acagaggctg	gggtgcaggg	gggcccagctg	43140
ggcagcttcg	gggaggggagg	aatggaggaa	ggggagttca	gtgaagaggc	ccccctcccc	43200
tgggtccagg	atcctcctct	gggacccccg	gatcccatcc	cctccaggct	ctgggaggag	43260
aagcaggatg	ggagaatctg	tgcgggaccc	tctcacagtg	gaatacctcc	acagcggctc	43320
aggccagata	caaaagcccc	tcagtgaacc	ctccactgca	gtgctggggc	tgggggcagc	43380
cgctcccaca	caggatgaac	ccagcacccc	gaggatgtcc	tgccaggggg	agctcagagc	43440

catgaaggag	caggatatgg	gacccccgat	acaggcacag	acctcagctc	cattcaggac	43500
tgccacgtcc	tgccctggga	ggaacccctt	tctctagtcc	ctgcaggcca	ggaggcagct	43560
gactcctgac	ttggacgcct	attccagaca	ccagacagag	gggcaggccc	cccagaacca	43620
gggatgagga	cgccccgtca	aggccagaaa	agaccaagtt	gcgctgagcc	cagcaaggga	43680
aggtccccaa	acaaaccagg	aagtttctga	aggtgtctgt	gtcacagtgg	agtatagcag	43740
ctcgtcccac	agtgacactc	gccaggccag	aaaccccatc	ccaagtcagc	ggaatgcaga	43800
gagagcaggg	aggacatggt	taggatctga	ggccgcacct	gacaccagg	ccagcagacg	43860
tctcctgtcc	acggcaccct	gccatgtcct	gcatttctgg	agaacaagg	gcaggctgaa	43920
gggggtccag	gaccaggaga	tgggtccgct	ctaccagag	aaggagccag	gcaggacaca	43980
agccccctcc	ccattgagge	tgacctgccc	agagggtcct	gggcccaccc	aacacaccgg	44040
ggcggaatgt	gtgcaggcct	cggtctctgt	gggtgttccg	ctagctgggg	ctcacagtgc	44100
tcaccccaca	cctaaaacga	gccacagcct	ccggagcccc	tgaaggagac	cccgcccaca	44160
agcccagccc	ccaccagga	ggccccagag	cacaggggcg	cccgtcggat	tctgaacagc	44220
cccagagtcac	agtgggtata	actggaacta	ccactgtgag	aaaagcttcg	tccaaaacgg	44280
tctcctggcc	acagtcggag	gccccgccag	agagggggagc	agccacccca	aacccatggt	44340
ctgccggctc	ccatgacccc	gtgcacctgg	agccccacgg	tgtccccact	ggatgggagg	44400
acaagggccg	ggggctccgg	cgggctcggg	caggggcttg	atggcttcct	tctgccgtgg	44460
ccccattgcc	cctggctgga	gttgaccctt	ctgacaagtg	tcctcagaga	gtcagggatc	44520
agtggcacct	cccaacatca	accccacgca	gcccaggcac	aaaccccaca	tccagggccca	44580
actccaggaa	cagagacacc	ccaataccct	gggggacccc	gaccctgatg	actcccgtcc	44640
catctctgtc	cctcacttgg	ggcctgctgc	ggggcgagca	cttgggagca	aactcaggct	44700
taggggacac	cactgtgggc	ctgacctcga	gcaggccaca	gacccttccc	tcctgccctg	44760
gtgcagcaca	gactttgggg	tctgggcagg	gaggaacttc	tggcaggcca	ccaagcacag	44820
agcccccagg	ctgaggtggc	cccaggggga	accccagcag	gtggcccact	acccttcctc	44880
ccagctggac	cccattgtct	ccccaaagata	ggggtgccat	ccaaggcagg	tcctccatgg	44940
agcccccttc	aggctcctct	ccagacccca	ctgggcctca	gtccccactc	taggaatgca	45000
gccaccacgg	gcacaccagg	cagcccaggc	ccagccaccc	tgcagtgcc	aagcccacac	45060
cctggaggag	agcagggtgc	gtctgggagg	ggctgggctc	cccaccccca	ccccacctg	45120
cacaccccac	ccacccttgc	ccgggcccc	tgcaggaggg	tcagagcccc	catgggatat	45180
ggacttaggg	tctcactcac	gcacctcccc	tcctgggaga	aggggtctca	tgcccagatc	45240
cccccagcag	cgctgggtcac	aggtagaggc	agtggcccca	gggccaccct	gacctggccc	45300
ctcaggctcc	tctagccctg	gctgccctgc	tgtccctggg	aggcctgggc	tccaccagac	45360
cacaggtcta	gggcaccgcc	cacactgggg	ccgcccacac	acagctcaca	ggaagaagat	45420
aagctccaga	cccccaggcc	cgggacctgc	cttgctgcta	cgacttcctg	ccccagacct	45480
cgttgccctc	ccccgtccac	ttacacacag	gccagggaagc	tgttcccaca	cagaccaacc	45540
ccagacgggg	accacctggc	actcaggcca	ctgccatttc	cttctccatt	cacttccaat	45600
gcctctgtgc	ttcctccctc	ctccttccct	cgggggagca	ccctgtgcag	ctcctccctg	45660
cagtccacac	cctggggaga	cccagacctg	cagcccacac	cctggggaga	cctgacctc	45720
ctccagccct	ttctcccccg	ctgctcttgc	cacccaccaa	gacagccctg	gggtcctgtc	45780
cctacagccc	ccaccaggtt	ctctacctag	acccgtcttc	ctccctctaa	acacctctcc	45840
caggccaacc	ctacacctgc	aggccctccc	ctccactgcc	aaagaccctc	agtttctcct	45900
gcctgtgccc	accccgtgtc	tcctcctgcc	cacagctcga	gctcttcttc	tcctagggcc	45960
cctgagggat	ggcattgacc	gtgccctcgc	acccacacac	tgcccatgcc	ctcacattcc	46020
tcctggccac	tccagcccca	ctccctctc	aggcctggct	ctggtatttc	tgggacaaaag	46080
ccttacccaa	gtcttttcca	tgcaggcctg	ggcccttacc	ctcactgccc	ggttacaggg	46140
cagcctcctg	tgcacagaag	caggagctc	agcccttcca	caggcagaag	gcactgaaag	46200
aaatcggcct	ccagcgcctt	gacacacgtc	tgcctgtgtc	tctcactgcc	cgcacctgca	46260
gggaggctcg	gcactccctc	taaagacgag	ggatccaggc	agcagcatca	caggagaatg	46320
cagggtacc	agacatccca	gtcctctcac	aggcctctcc	tgggaagaga	cctgaagacg	46380
cccagtcac	ggagtctaac	accaaaccct	cctggaggcc	gatgggtagt	aacggagtca	46440
ttgccagacc	tggaggcagg	ggagcagtga	gcccagagccc	acaccatagg	gccagaggac	46500
agccactgac	atcccaagcc	actcactggt	ggtcccacaa	caccccatgg	aaagaggaca	46560
gaccacagat	cccacctgga	ccagggcaga	gactgctgag	acccagcacc	agaaccaacc	46620
aagaaacacc	aggcaacagc	atcagagggg	gctctggcag	aacagaggag	gggagggtctc	46680
cttcaccagc	aggcgcttcc	cttgaccgaa	gacaggatcc	atgcaactcc	cccaggacaa	46740
aggaggagcc	ccttgtttcag	cactgggctc	agagtcctct	ccaagacacc	cagagtttca	46800
gacaaaaacc	ccctggaatg	cacagtctca	gcaggagagc	cagccagagc	cagcaagatg	46860
gggctcagtg	acacccgcag	ggacaggagg	atthtgtggg	ggctcgtgtc	actgtgaggga	46920

tattgtacta	atggtgtatg	ctatacccac	agtgacacag	ccccattccc	aaagccctac	46980
tgcaaacgca	ttccacttct	ggggctgagg	ggctggggga	gcgtctggga	aatagggtct	47040
aggggtgtcc	atcaatgccc	aaaacgcacc	agactccctt	ccatacatca	caccaccag	47100
ccagcgagca	gagtaaacag	aaaatgagaa	gcaagctggg	gaagcttgca	caggcccaa	47160
ggaaagagct	ttggcggtg	tgtaaagagg	gatgcgggca	gagcctgagc	agggcctttt	47220
gctgtttctg	ctttcctgtg	cagagagttc	cataaactgg	tgttcgagat	caatggctgg	47280
gagtggagccc	aggaggacag	cgtgggaaga	gcacagggaa	ggaggagcag	ccgctatcct	47340
acactgtcat	ctttcgaaag	tttgccctgt	gccacactg	ctgcatcatg	ggatgcttaa	47400
cagctgatgt	agacacagct	aaagagagaa	tcagtggagat	ggatttgag	cacagatctg	47460
aataaattct	ccagaatgtg	gagcagcaca	gaagcaagca	cacagaaagt	gcctgatgca	47520
aggacaaagt	tcagtgggca	ccttcaggca	ttgctgctgg	gcacagacac	tctgaaaagc	47580
cctggcagga	actccctgtg	acaaagcaga	accctcaggc	aatgccagcc	ccagagccct	47640
ccctgagagc	ctcatgggca	aagatgtgca	caacaggtgt	ttctcatagc	cccaaactga	47700
gagcaaagca	aacgtccatc	tgaaggagaa	caggcaaata	aacgatggca	ggttcatgaa	47760
atgcaaacc	agacagccac	aagcacaaaa	gtacaggggt	ataagcgact	ctgggttgagt	47820
tcatgacaat	gctgagtaat	tggagtaaca	aagtaaactc	caaaaaatac	tttcaatgtg	47880
atttcttcta	aataaaattt	acaccctgca	aaatgaactg	tcttcttaag	ggatacattt	47940
cccagttaga	aaaccataaa	gaaaaccaag	aaaaggatga	tcacataaac	acagtgggtg	48000
ttactttctg	tggggaagga	agagggtatg	aactgagata	cacaggggtg	gcaagtctcc	48060
taacaagaac	agaacgaata	cattacagta	ccttgaaaac	agcagttaaa	cttctaaatt	48120
gcaagaagag	gaaaatgcac	acagttgtgt	ttagaaaatt	ctcagtccag	cactgttcat	48180
aatagcaaag	acattaaccc	aggtcggata	aataagcgat	gacacaggca	attgcacaat	48240
gatacagaca	tatattttagt	atatgagaca	tcgatgatgt	atccccaaat	aaacgacttt	48300
aaagagataa	agggctgatg	tgtggtggca	ttcacctccc	tgggatcccc	ggacaggttg	48360
caggctcact	gtgcagcagg	gcaggcgggt	acctgctggc	agttcctggg	gcctgatgtg	48420
gagcaagcgc	agggccatat	atcccggagg	acggcacagt	cagtgaattc	cagagagaag	48480
caactcagcc	acactcccca	ggcagagccc	gagagggacg	cccacgcaca	gggaggcaga	48540
gccacgacc	tccgcagcca	gcaccacctg	cgcacgggcc	accaccttgc	aggcacagag	48600
tgggtgctga	gaggaggggc	agggacacca	ggcaggggtga	gcacccagag	aaaactgcag	48660
acgcctcaca	catccacctc	agcctccctt	gacctggacc	tcactggcct	gggcctcact	48720
taacctgggc	ttcacctgac	cttgacctca	cctgacttgg	acctcgccctg	tcccaagctt	48780
tacctgacct	gggcctcaac	tcacctgaac	gtctcctgac	ctgggtttaa	cctgtcctgg	48840
aactcacctg	gccttggtt	cccctgacct	ggacctcatc	tggcctgggc	ttcacctggc	48900
ctgggcctca	cctgacctgg	acctcatctg	gcctggacct	cacctggcct	ggacttcacc	48960
tggcctgggc	ttcacctgac	ctggacctca	cctggcctcg	ggcctcacct	gcacctgctc	49020
caggtcttgc	tggagcctga	gtagcactga	gggtgcagaa	gctcatccag	ggttggggaa	49080
tgactctaga	agtctcccac	atctgacctt	tctgggtgga	ggcagctggt	ggccctggga	49140
atataaaaaat	ctccagaatg	atgactctgt	gatttgtggg	caacttatga	acccgaaagg	49200
acatggccat	ggggtgggta	gggacatagg	gacagatgcc	agcctgaggt	ggagcctcag	49260
gacacaggtg	ggcacggaca	ctatccacat	aagcgaggga	tagacccgag	tgtccccaca	49320
gcagacctga	gagcgttggg	cccacagcct	ccctcagag	ccctgctgcc	tcctccggtc	49380
agccctggac	atcccaggtt	tccccaggcc	tggcggtagg	tttagaatga	ggtctgtgtc	49440
actgtggtat	tacgatattt	tgactggtta	ttataaccac	agtgtcacag	agtccatcaa	49500
aaacccatgc	ctggaagctt	ccgcccacag	ccctcccat	ggggccctgc	tgctcctca	49560
ggtcagcccc	ggacatcccc	ggtttcccca	ggctgggcgg	taggtttggg	gtgaggtctg	49620
tgctactgtg	gtattactat	ggttcgggga	gttattataa	ccacagtgtc	acagagtcca	49680
tcaaaaaccc	atccctggga	gcctcccgcc	acagccctcc	ctgcagggga	ccggtacgtg	49740
ccatgttagg	attttgatcg	aggagacagc	accatgggta	tgggtggctac	cacagcagtg	49800
cagcctgtga	cccaaaccgc	cagggcagca	ggcacgatgg	acaggcccgt	gactgaccac	49860
gctgggctcc	accttgccag	ccctggagat	catgaaacag	atggccaagg	tcaccctaca	49920
ggtcatccag	atctggctcc	gaggggtctg	catcgctgct	gccctcccaa	cgccagtcca	49980
aatgggacag	ggacggcctc	acagcaccat	ctgtgcccat	caggccagcg	atcccagaag	50040
cccctccctc	aaggctgggc	acatgtgtgg	acactgagag	ccctcatatc	tgagtagggg	50100
caccaggagg	gaggggctgg	ccctgtgcac	tgtccctgcc	cctgtgggtcc	ctggcctgcc	50160
tggccctgac	acctgagcct	ctcctgggtc	atttccaaga	cagaagacat	tcctggggac	50220
agccggagct	gggcgtcgct	catcctgccc	ggccgtcctg	agtccctgctc	atttccagac	50280
ctcaccgggg	aagccaacag	aggactcgcc	tcccacattc	agagacaaag	aaccttccag	50340
aaatccctgc	ctctctcccc	agtggacacc	ctcttccagg	acagtcctca	gtggcatcac	50400

agcggcctga	gatccccagg	acgcagcacc	gctgtcaata	ggggcccca	atgcctggac	50460
cagggcctgc	gtgggaaagg	cctctggcca	cactcgggct	ttttgtgaag	ggccctcctg	50520
ctgtgtgact	acagtaacta	ccatagtgat	gaaccagtg	gcaaaaactg	gctggaaacc	50580
caggggctgt	gtgcacgcct	cagcttggag	ctctccagga	gcacaagagc	cgggccaag	50640
gatttgtgcc	cagaccctca	gcctctaggg	acacctgggt	catctcagcc	tgggctgggtg	50700
ccctgcacac	catcttcctc	caaatagggg	cttcagaggg	ctctgaggtg	acctcactca	50760
tgaccacagg	tgacctggcc	cttccttgcc	agctatacca	gaccctgtct	tgacagatgc	50820
cccgattcca	acagccaatt	cctgggaccc	tgaatagctg	tagacaccag	cctcattcca	50880
gtacctcctg	ccaattgcct	ggattcccat	cctggctgga	atcaagaagg	cagcatccgc	50940
caggctccca	acaggcagga	ctcccgca	ccctcctctg	agaggccgct	gtgttccgca	51000
gggccaggcc	ctggacagtt	cccctcacct	gccactagag	aaacacctgc	cattgtcgtc	51060
cccacctgga	aaagaccact	cgtggagccc	ccagccccag	gtacagctgt	agagacagtc	51120
ctcgaggccc	ctaagaagga	gccatgcca	gttctgccc	gaccctcggc	caggccgaca	51180
ggagtggacg	ctggagctgg	gcccacactg	ggccacatag	gagctcacca	gtgagggcag	51240
gagagcacat	gccggggagc	acccagcctc	ctgctgacca	gaggcccgtc	ccagagccca	51300
ggaggctgca	gaggcctctc	cagggagaca	ctgtgcatgt	ctggtacct	agcagcccc	51360
cacgtcccca	gtcctggggg	cccctggctc	agctgtctgg	gccctccctg	ctccctggga	51420
agctcctcct	gacagccccg	cctccagttc	caggtgtggg	tattgtcagg	cgatgtcaga	51480
ctgtggtgga	tatagtggct	acgattacca	cagtgggtgcc	gcccatagca	gcaaccaggc	51540
caagtagaca	ggcccctgct	gcgcagcccc	aggcatccac	ttcacctgct	tctcctgggg	51600
ctctcaaggc	tgctgtctgt	cctctggccc	tctgtgggga	gggttccctc	agtgggaggt	51660
ctgtgtccca	gggcagggat	gattgagata	gaaatcaaa	gctggcaggg	aaaggcagct	51720
tcccgccttg	agaggtgcag	gcagcaccac	ggagccacgg	agtcacagag	ccacggagcc	51780
cccattgtgg	gcatttgaga	gtgctgtgcc	cccggcaggc	ccagccctga	tggggaagcc	51840
tgtcccatcc	cacagcccgg	gtcccacggg	cagcgggcac	agaagctgcc	aggttgtcct	51900
ctatgatcct	catccctcca	gcagcatccc	ctccacagtg	gggaaactga	ggcttggagc	51960
accacccggc	cccctggaaa	tgaggctgtg	agcccagaca	gtgggcccag	agcactgtga	52020
gtaccccggc	agtacctggc	tgacgggatc	agccagagat	gccaaaccct	gagtgaccag	52080
cctacaggag	gatccggccc	caccagggcc	actcgattaa	tgctcaacct	cctgccctgg	52140
agacctcttc	cagtaccacc	agcagctcag	cttctcaggg	cctcatccct	gcaaggaagg	52200
tcaagggctg	ggcctgccag	aaacacagca	ccctccctag	ccctggctaa	gacaggggtg	52260
gcagacggct	gtggacggga	catattgctg	gggcatttct	cactgtcact	tctgggtggt	52320
agctctgaca	aaaacgcaga	ccctgccaaa	atccccactg	cctcccgcta	ggggctggcc	52380
tggaatcctg	ctgtcctagg	aggctgtgta	cctccaggat	ggctccgtcc	ccagttccag	52440
ggcgagagca	gatcccaggc	aggctgtagg	ctgggaggcc	accctgccc	ttgccggggt	52500
tgaatgcagg	tgcccaaggc	aggaaatggc	atgagcacag	ggatgaccgg	gacatgcccc	52560
accagagtgc	gccccttctc	gctctgcacc	ctgcaccccc	caggccagcc	cacgacgtcc	52620
aacaactggg	cctgggtggc	agccccaccc	agacaggaca	gaccagcac	cctgaggagg	52680
tcttgccagg	gggagctaag	agccatgaag	gagcaagata	tggggcccc	gatacaggca	52740
cagatgtcag	ctccatccag	gaccacccag	cccacaccct	gagaggaacg	tctgtctcca	52800
gcctctgcag	gtcgggaggc	agctgacccc	tgacttggac	ccctattcca	gacaccagac	52860
agaggcgag	gccccccaga	accagggttg	agggacgccc	cgtaaaagcc	agacaaaacc	52920
aaggggtgtt	gagcccagca	agggaaggcc	cccaaacaga	ccaggagggt	tctgaagggtg	52980
tctgtgtcac	agtggggtat	agcagcagct	ggtaccacag	tgacactcac	ccagccagaa	53040
acccatttcc	aagtcagcgg	aagcagagag	agcagggagg	acacgtttag	gatctgagac	53100
tgcacctgac	accagggcca	gcagacgtct	cccctccagg	gcaccccacc	ctgtcctgca	53160
tttctgcaag	atcaggggcg	gcctgagggg	gggtctaggg	tgaggagatg	ggtcccctgt	53220
acaccaagga	ggagttaggc	aggtcccag	cactctcccc	attgaggctg	acctgcccag	53280
agagtccctg	gcccacccca	cacaccgggg	cggaatgtgt	gcaggcctcg	gtctctgtgg	53340
gtgttccgct	agctggggct	cacagtgtct	accccacacc	taaaatgagc	cacagcctcc	53400
ggagcccccg	caggagaccc	cgcccacaag	cccagcccc	accagggagg	ccccagagct	53460
cagggcgccc	cgctcgattc	cgaacagccc	cgagtccacg	cgggtataac	cgggaaccacc	53520
actgtcagaa	tagctacgtc	aaaaactgtc	cagtggccac	tgccggaggc	cccgcagag	53580
agggcagcag	ccactctgat	cccatgtcct	gccggctccc	atgaccccca	gcacgcggag	53640
ccccacagt	tccccactgg	atgggaggac	aagagtggg	gattccggcg	ggtcggggca	53700
ggggcttgat	cgcctccttc	tgccgtgggt	acagtgcccc	tggctggagt	tgacccttct	53760
gacaagtgtc	ctcagagaga	caggcatcac	cggcgccctc	caacatcaac	ccaggcagc	53820
acaggcacia	accccacatc	cagagccaac	tccaggagca	gagacacccc	aataccctgg	53880

gggacccccga	ccctgatgac	ttcccactgg	aattcgccgt	agagtccacc	aggaccaaag	53940
accctgcctc	tgcctctgtc	cctcactcag	gacctgctgc	cgggcgaggc	cttgggagca	54000
gacttgggct	taggggacac	cagtgtgacc	ccgaccttga	ccaggacgca	gacctttcct	54060
tcctttcctg	gggcagcaca	gactttgggg	tctgggccag	gaggaacttc	tggcaggtcg	54120
ccaagcacag	aggccacagg	ctgaggtggc	cctggaaaga	cctccaggag	gtggccactc	54180
cccttcctcc	cagctggacc	ccatgtcctc	cccaagataa	gggtgccatc	caaggcaggt	54240
gctccttga	gccccattca	gactcctccc	tggacccac	tgggcctcag	tcccagctct	54300
ggggatgaag	ccaccacaag	cacaccaggc	agcccaggcc	cagccaccct	gcagtgccca	54360
agcacacact	ctggagcaga	gcagggtgcc	tctgggaggg	gctgagctcc	ccaccccacc	54420
cccacctgca	caccccaccc	accctgccc	agcggtctctg	caggaggggtc	agagccccac	54480
atggggatg	gacttagggg	ctcactcacg	tggctcccat	catgagtga	ggggcctcaa	54540
gcccagggttc	ccacagcagc	gcctgtcgca	agtggaggca	gaggcccagag	ggccaccctg	54600
acctggtccc	tgaggttcct	gcagcccagg	ctgccctgct	gtccctggga	ggcctgggct	54660
ccaccagacc	acaggtccag	ggcaccgggt	gcaggagcca	cccacacaca	gctcacagga	54720
agaagataag	ctccagaccc	ccaggggccag	aacctgcctt	cctgctactg	cttcctgccc	54780
cagacctggg	cgccctcccc	cgtccactta	cacacaggcc	aggaagctgt	tcccacacag	54840
aacaacccca	aaccaggacc	gcctggcact	cagggtggctg	ccatttcctt	ctccatttgc	54900
tcccagcgcc	tctgtcctcc	ctggttcctc	cttcggggga	acagcctgtg	cagccagtcc	54960
ctgcagccca	cacctgggg	agacccaacc	ctgcctgggg	cccttccaac	cctgctgctc	55020
ttactgccc	cccagaaaac	tctgggggtcc	tgteccctgca	gtccctaccc	tgggtctccac	55080
ccagacccct	gtgtatcact	ccagacaccc	ctcccaggca	aacctgcac	ctgcaggccc	55140
tgtcctcttc	tgtcgtaga	gcctcagttt	ctccccctg	tgcccacacc	ctacctctc	55200
ctgccacaa	ctctaactct	tcttctcctg	gagccctga	gccatggcat	tgacctgccc	55260
ctcccaccac	ccacagccca	tgccctcacc	ttcctcctgg	ccactccgac	cccggccctt	55320
ctcaggccaa	gccctggtat	ttccaggaca	aaggetcacc	caagtctttc	ccaggcaggc	55380
ctgggctctt	gccctcactt	cccggttaca	cgggagcctc	ctgtgcacag	aagcaggggag	55440
ctcagccctt	ccacaggcag	aaggcactga	aagaaatcgg	cctccagcac	cttgacacac	55500
gtccgcccgt	gtctctcact	gcccgcacct	gcagggaggc	tccgcactcc	ctctaaagac	55560
aagggatcca	ggcagcagca	tcacgggaga	atgcagggct	cccagacatc	ccagtccctc	55620
cacaggcctc	tcctgggaag	agacctgcag	ccaccaccaa	acagccacag	aggctgctgg	55680
atagtaactg	agtcaatgac	cgacctggag	ggcaggggag	cagtgagccg	gagcccatac	55740
catagggaca	gagaccagcc	gctgacatcc	cgagctcctc	aatgggtggc	ccataacaca	55800
cctaggaaac	ataacacacc	cacagcccca	cctggaacag	ggcagagact	gctgagcccc	55860
cagcaccagc	cccaagaaac	accaggcaac	agtatcagag	ggggctcccg	agaaagagag	55920
gaggggagat	ctccttcacc	atcaaagtgt	tcccttgacc	aaaaacaggg	tccacgcaac	55980
tccccagga	caaaggagga	gccccctata	cagcactggg	ctcagagtcc	tctctgagac	56040
accctgagtt	tcagacaaca	accgctgga	atgcacagtc	tcagcaggag	aacagaccaa	56100
agccagcaaa	agggacctcg	gtgacaccag	tagggacagg	aggattttgt	gggggctcgt	56160
gtcactgtga	ggatattgta	gtggtggtag	ctgctactcc	cacagtgaca	cagacccatt	56220
cccaaagccc	tactgcaaac	acaccactc	ctggggctga	ggggctgggg	gagcgtctgg	56280
gaagtaggg	ccaggggtgt	ctatcaatgt	ccaaaatgca	ccagactccc	cgccaaacac	56340
caccccacca	gccagcgagc	agggtaaaca	gaaaatgaga	ggctctggga	agcttgca	56400
ggccccaaag	aaagagcttt	ggcgggtgtg	caagagggga	tgagggcaga	gcctgagcag	56460
ggccttttgc	tgtttctgct	ttcctgtgca	gagagttcca	taaactgggtg	ttcaagatca	56520
gtggctggga	atgagcccag	gagggcagtc	tgtgggaaga	gcacaggga	ggaggagcag	56580
ccgctatcct	acactgtcat	ctttcaaaag	tttgccttgt	gaccacacta	ttgcatcatg	56640
ggatgcttaa	gagctgatgt	agacacagct	aaagagagaa	tcagtgaagt	gaatttgag	56700
catagatctg	aataaactct	ccagaatgtg	gagcagtaca	gaagcaaaca	cacagaaagt	56760
gcctgatgca	aggacaaagt	tcagtgggca	ccttcaggca	ttgctgctgg	gcacagacac	56820
tctgaaaagc	cttggcagga	tctccctgcg	acaaagcaga	accctcaggc	aatgccagcc	56880
ccagagccct	ccctgagagc	gtcatgggga	aagatgtgca	gaacagctga	ttatcataga	56940
ctcaaactga	gaacagagca	aacgtccatc	tgaagaacag	tcaaataagc	aatggtaggt	57000
tcattgcaatg	caaacccaga	cagccagggg	acaacagtga	agggctacag	gcggctttgc	57060
ggttgagttc	atgacaatgc	tgagtaattg	gagtaacaga	gaaaagccca	aaaaataactt	57120
ttaatgtgat	ttcttctaaa	taaaattttac	accaggcaaa	atgaactgtc	ttcttaagggt	57180
ataaactttc	ccctggaaaa	actacaagga	aaattaagaa	aacgatgatc	acataaacac	57240
agttgtggtt	acttctactg	gggaagggaag	agggtatgag	ctgagacaca	cagagtcggc	57300
aagtctccaa	gcaagcacag	aacgaataca	ttacagtacc	ttgaatacag	cagttaaact	57360

tctaaatcgc	aagaacagga	aatgacacac	agctgtgttt	agaaaattct	cagtccagca	57420
ctattcataa	tagcaaagac	attaacccag	gttggataaa	taaattgatga	cacaggcaat	57480
tgcacaatga	tacagacata	catttagtac	atgagacatc	gatgatgtat	ccccaaagaa	57540
atgactttaa	agagaaaagg	cctgatgtgt	ggtggcactc	acctccctgg	gatccccgga	57600
caggttgag	gcacactgtg	tggcagggca	ggctggtaca	tgctggcagc	tcctggggcc	57660
tgatgtggag	caagcgcagg	gctgtatacc	cccaaggatg	gcacagtcag	tgaattccag	57720
agagaagcag	ctcagccaca	ctgcccaggc	agagcccag	agggacgccc	acgtacaggg	57780
aggcagagcc	cagctcctcc	acagccacca	ccacctgtgc	acgggcccacc	accttgagcag	57840
cacagagtgg	gtgctgagag	gaggggcagg	gacaccaggc	agggtgagca	cccagagaaa	57900
actgcagaag	cctcacacat	ccacctcagc	ctccccctgac	ctggacctca	cctggtctgg	57960
acctcacctg	gcctgggcct	cacctgacct	ggacctcacc	tggcctgggc	ttcacctgac	58020
ctggacctca	cctggcctcc	ggcctcacct	gcacctgctc	caggtcttgc	tggaaacctga	58080
gtagcactga	ggctgcagaa	gctcatccag	ggttggggaa	tgactctgga	actctcccac	58140
atctgacctt	tctgggtgga	ggcatctggt	ggccctggga	atataaaaaag	ccccagaatg	58200
gtgcctgcgt	gatttggggg	caatttatga	acccgaaagg	acatggccat	gggggtgggt	58260
gggacatagg	gacagatgcc	agcctgaggt	ggagcctcag	gacacagttg	gacgcggaca	58320
ctatccacat	aagcgaggga	cagacccgag	tgttcctgca	gtagacctga	gagcgtctgg	58380
cccacagcct	cccctcggtg	ccctgctgcc	tcctcagggtc	agccctggac	atcccggtt	58440
tccccaggcc	agatggtagg	tttgaagtga	ggtctgtgtc	actgtggtat	tatgattacg	58500
tttgggggag	ttatcgttat	accacagca	tcacacgggtc	catcagaaac	ccatgccaca	58560
gccctccccg	caggggaccg	ccgcgtgcc	tgttacgatt	ttgatcgagg	acacagcgcc	58620
atgggtatgg	tggctaccac	agcagtgcag	cccatgacct	aaacacacag	ggcagcaggc	58680
acaatggaca	ggcctgtgag	tgacctgct	gggtccagc	ccgccagccc	cggagaccat	58740
gaaacagatg	gccaaggtca	ccccacagtt	cagccagaca	tggtccctg	gggtctgcat	58800
cgctgctgcc	ctctaaccac	agcccagatg	gggacaaggc	caaccccaca	ttaccatctc	58860
ctgctgtcca	cccagtggtc	ccagaagccc	ctccctcatg	gctgagccac	atgtgtgaac	58920
cctgagagca	ccccatgtca	gagtaggggc	agcagaagg	cggggctggc	cctgtgcact	58980
gtccctgcac	ccatggtccc	tcgctgcct	ggccctgaca	cctgagcctc	ttctgagtca	59040
tttctaagat	agaagacatt	cccggggaca	gcccggagctg	ggcgtcgctc	atcccgccc	59100
gccgtcctga	gtcctgcttg	tttccagacc	tcaccaggga	agccaacaga	ggactcacct	59160
cacacagtca	gagacaaaga	accttccaga	aatccctgtc	tcactcccc	gtgggcacct	59220
tcttccagga	cattcctcgg	tcgcatcaca	gcaggcaccc	acatctggat	caggacggcc	59280
cccagaacac	aagatggccc	atggggacag	ccccacaacc	caggccttcc	cagacccta	59340
aaaggcgtcc	cacccctgc	acctgcccc	gggctaaaaa	tccaggaggc	ttgactccc	59400
cataccctcc	agccagacat	cacctcagcc	ccctcctgga	ggggacagga	gcccgggagg	59460
gtgagtcaga	cccacctgcc	ctcgatggca	ggcggggaag	attcagaaag	gcctgagatc	59520
cccaggacgc	agcaccactg	tcaatggggg	ccccagacgc	ctggaccagg	gcctgcgtgg	59580
gaaaggccgc	tgggcacact	caggggcttt	ttgtgaaggc	ccctcctact	gtgtgactac	59640
ggtgactacc	acagtgatga	aactagcagc	aaaaactggc	cggacaccca	gggaccatgc	59700
acacttctca	gcttgagagt	ctccaggacc	agaagagtca	ggtctgaggg	tttgtagcca	59760
gaccctcggc	ctctagggac	accctggcca	tcacagcgga	tgggctggtg	ccccacatgc	59820
catctgctcc	aaacaggggc	ttcagagggc	tctgaggtga	cttcactcat	gaccacaggt	59880
gccctggccc	cttccccgcc	agctacaccg	aaccctgtcc	caacagctgc	cccagttcca	59940
acagccaatt	cctggggccc	agaattgctg	tagacaccag	cctcgttcca	gcacctcctg	60000
ccaattgcct	ggattcacat	cctggctgga	atcaagaggg	cagcatccgc	caggctcccc	60060
acaggcagga	ctcccgca	ccctcctctg	agaggccgct	gtgttccgca	gggccaggcc	60120
ctggacagtt	cccctcacct	gccactagag	aaacacctgc	cattgtcgctc	cccacctgga	60180
aaagaccact	cgtggagccc	ccagccccag	gtacagctgt	agagagactc	cccaggggat	60240
ctaagaagga	gccatgcgca	gttctgccgg	gaccctcggc	caggccgaca	ggagtggaca	60300
ctggagctgg	gcccacactg	ggccacatag	gagctcacca	gtgagggcag	gagagcacat	60360
gccggggagc	accagcctc	ctgctgacca	gaggcccgtc	ccagagcccc	ggaggctgca	60420
gaggcctctc	cagggggaca	ctgtgcatgt	ctggtccctg	agcagcccc	cacgtcccc	60480
gtcctggggg	cccctggcac	agctgtctgg	accctccctg	ttccctggga	agctcctcct	60540
gacagccccg	cctccagttc	caggtgtggt	tattgtcagg	gggtgtcaga	ctgtgttgga	60600
tacagctatg	gttaccacag	tggctgtgcc	catagcagca	accaggccaa	gtagacaggc	60660
ccctgctgtg	cagccccagg	cctccacttc	acctgcttct	cctggggctc	tcaaggtcac	60720
tggtgtctgt	actctgccct	ctgtggggag	ggttccctca	gtgggagggtc	tggtctcaac	60780
atcccagggc	ctcatgtctg	cacggaaggc	caatggatgg	gcaacctcac	atgccgcggc	60840

taagataggg	tgggcagcct	ggcgggggac	agtacatact	gctgggggtgt	ctgtcactgt	60900
gcctagtggg	gcactggctc	ccaaacaacg	cagtcctcgc	caaaatcccc	acagcctccc	60960
ctgctagggg	ctggcctgat	ctcctgcagt	cctaggaggc	tgctgacctc	cagaatgtct	61020
ccgtccccag	ttccagggcg	agagcagatc	ccaggccggc	tgagactggg	gaggccaccc	61080
cctccttccc	agggttcaact	ggaggtgacc	aaggtaggaa	atggccttaa	cacagggatg	61140
actgcgccat	cccccaacag	agtcagcccc	ctcctgctct	gtaccccgcg	ccccccaggc	61200
cagtccacga	aaaccagggc	cccacatcag	agtcactgcc	tggcccggcc	ctggggcgga	61260
cccctcagcc	cccaccctgt	ctagaggact	tgggggggaca	ggacacaggc	cctctcctta	61320
tgggttcccc	acctgcctcc	ggccgggacc	cttgggggtgt	ggacagaaag	gacacctgcc	61380
taattggccc	ccaggaaccc	agaacttctc	tccagggacc	ccagcccagag	caccccctta	61440
cccaggaccc	agccctgccc	ctcctccccc	ctgctctcct	ctcatcaccc	catgggaatc	61500
cggtatcccc	aggaagccat	caggaagggc	tgaaggaggga	agcggggccg	tgcaccaccg	61560
ggcaggaggc	tccgtcttcg	tgaacccagg	gaagtgccag	cctcctagag	ggtatggtcc	61620
accctgcctg	gggctcccac	cgtggcaggc	tgcgggggaa	gaccaggggac	ggtgtggggg	61680
agggctcagg	gccctgcggg	tgctcctcca	tcttcgggtga	gcctccccct	tcacccaccg	61740
tcccgcgccac	ctcctctcca	ccctggctgc	acgtcttcca	caccatcctg	agtcctacct	61800
acaccagagc	cagcaaagcc	agtgcagaca	aaggctgggg	tgaggggggg	ctgccagggc	61860
agcttcgggg	aggaaggat	ggagggaggg	gaggtcagtg	aagaggcccc	cttcccctgg	61920
gtccagggatc	ctcctctggg	acccccggat	cccatccccct	cctggctctg	ggaggagaag	61980
caggatggga	gaatctgtgc	gggacctctc	cacagtggaa	tatccccaca	gcggtctcagg	62040
ccagacccaa	aagccctca	gtgagccctc	caactgcagtc	ctgggccttg	gtagcagccc	62100
ctccacacaga	ggacagaccc	agcacccccg	agaagtccctg	ccagggggag	ctcagagcca	62160
tgaagagca	ggatatgggg	tccccgatac	aggcacagac	ctcagctcca	tccaggccca	62220
ccgggaccca	ccatgggagg	aacacctgtc	tccgggttgt	gaggtagctg	gcctctgtct	62280
cggacccccac	tccagacacc	agacagaggg	gcaggccccc	caaaaccagg	gttgagggat	62340
gatccgtcaa	ggcagacaag	accaaggggc	actgacccca	gcaagggaag	gctcccaaac	62400
agacgaggag	gtttctgaag	ctgtctgtat	cacagtgggg	tatagcagtg	gctggtacca	62460
cagtgcact	cgccaggcca	gaaaccccg	cccaagtccg	cggaagcaga	gagagcaggg	62520
aggacacgtt	taggatctga	ggccgcacct	gacacccagg	gcagcagacg	tctcccctcc	62580
agggcaccct	ccaccgtcct	gcgtttcttc	agaatagg	gcggcctgag	ggggtccagg	62640
gccaggcgat	aggctcccctc	tacccaagg	aggagccagg	caggaccgga	gcaccgtccc	62700
cattgaggct	gacctgccc	gacgggcctg	ggcccccccc	acacaccggg	gcggaatgtg	62760
tgcaggcccc	agtctctgtg	ggtgttccgc	tagctggggc	ccccagtgtc	caccccacac	62820
ctaaagcgag	ccccagcctc	cagagcccc	taagcattcc	ccgccagca	gcccagcccc	62880
tgccccacc	caggaggccc	cagagctcag	ggcgccctgt	cggattctga	acagccccga	62940
gtcacagtgg	gtataactgg	aacgaccacc	gtgagaaaaa	ctgtgtccaa	aactgactcc	63000
tggcagcagt	cggaggcccc	gccagagagg	ggagcagccg	gcctgaaccc	atgtcctgcc	63060
ggttcccatg	acccccagca	cccagagccc	cacggtgtcc	ccgttgata	atgaggacaa	63120
gggctggggg	ctccgggtgt	ttgcggcagg	gacttgatca	catccttctg	ctgtggcccc	63180
attgcctctg	gctggagttg	acccttctga	caagtgtcct	cagaaagaca	gggatcaccg	63240
gcacctcca	atatcaaccc	caggcagcac	agacacaaac	cccacatcca	gagccaactc	63300
caggagcaga	gacaccccaa	caactctggg	gaccccaacc	gtgataactc	cccactggaa	63360
tccgccccag	agtctaccag	gaccaaaggc	cctgcctgt	ctctgtccct	caactcaggc	63420
ctcctgcagg	gcgagcgctt	gggagcagac	tcgggtcttag	gggacaccac	tgtgggcccc	63480
aactttgatg	aggccactga	cccttccttc	ctttcctggg	gcagcacaga	ctttgggggtc	63540
tgggcaggga	agaactactg	gctggtggcc	aatcacagag	ccccagggcc	gaggtggccc	63600
caagaaggcc	ctcaggagg	ggccactcca	cttccctcca	gctggacccc	aggctcctcc	63660
caagataggg	gtgccatcca	aggcaggtcc	tccatggagc	ccccttcaga	ctcctcccgg	63720
gaccccaactg	gacctcagtc	cctgctctgg	gaatgcagcc	accacaagca	caccaggaag	63780
cccaggccca	gccaccctgc	agtgggcaag	cccacactct	ggagcagagc	agggtgcgtc	63840
tgggaggggc	taacctcccc	acccccacc	ccccatctgc	acacagccac	ctaccactgc	63900
ccagaccctc	tgcaggagg	ccaagccacc	atgggggtatg	gacttaggg	ctcactcacg	63960
tgcctcccct	cctgggagaa	ggggcctcat	gccagatcc	ctgcagcact	agacacagct	64020
ggaggcagtg	gccccagggc	caccctgacc	tggcatctaa	ggctgtctca	gcccagacag	64080
cactgccgtt	cctgggaagc	ctgggctcca	ccagaccaca	ggtccagggc	acagcccaca	64140
ggagccaccc	acacacagct	cacaggaaga	agataagctc	cagaccccag	ggcgggacct	64200
gccttcctgc	caccacttac	acacaggcca	gggagctgtt	cccacacaga	tcaaccccaa	64260
accgggactg	cctggcacta	gggtcactgc	catttccctc	tccattccct	cccagtgcc	64320

ctgtgctccc	tccttctggg	gaacaccctg	tgcagccctt	ccctgcagcc	cacacgctgg	64380
ggagacccca	ccctgcctcg	ggccttttct	acctgctgca	cttgccgccc	acccaaacaa	64440
ccctgggtac	gtgaccctgc	agtcctcacc	ctgatctgca	accagacccc	tgtccctccc	64500
tctaaacacc	cctcccaggc	caactctgca	cctgcaggcc	ctccgctctt	ctgccacaag	64560
agcctcaggt	tttctacct	gtgcccaccc	cctaaccctt	cctgcccaca	acttgagtgc	64620
ttcctctcct	ggagcccttg	agccatggca	ctgaccctac	actcccaccc	acacactgcc	64680
catgccatca	ccttcctcct	ggacactctg	accccgtctc	cctccctctc	agacccggcc	64740
ctggtatttc	caggacaaaag	gtcaccctaa	gtcttcccca	tgcaggccct	tgccctcact	64800
gcctgggttac	acgggagcct	cctgtgcgca	gaagcagggg	gctcagctct	tccacaggca	64860
gaaggcactg	aaagaaatca	gcctccagtg	ccttgacaca	cgcccgccctg	tgtctctcac	64920
tgccctgcacc	tgcagggagg	ctccgcactc	cctctaaaga	tgagggatcc	aggcagcaac	64980
atcacgggag	aatgcagggc	tcccagacag	cccagccctc	tgcaggcctt	ctcctgggaa	65040
gagacctgca	gccaccactg	aacagccacg	gaggtcgctg	gatagtaacc	gagtcaagtga	65100
ccgacctgga	gggcagggga	gcagtgaacc	ggagcccata	ccatagggac	agagaccagc	65160
cgctaacatc	ccgagcccct	cactggcggc	cccagaacac	cccgtggaaa	gagaacagac	65220
ccacagtccc	acctggaaca	gggcagacac	tgctgagccc	ccagcaccag	ccccaagaaa	65280
cactaggcaa	cagcatcaga	gggggctcct	gagaaagaga	ggaggggagg	tctccttcac	65340
catcaaattg	ttcccttgac	caaaaacagg	gtccacgcaa	ctccccagg	acaaaggagg	65400
agccccctgt	acagcactgg	gtcagagctc	ctctctgaga	caggctcagt	ttcagacaac	65460
aacccgctgg	aatgcacagt	ctcagcagga	gagccaggcc	agagccagca	agaggagact	65520
cggtgacacc	agtctcctgt	agggacagga	ggattttgtg	ggggttcgtg	tactgtgag	65580
catattgtgg	tggtgactgc	tattcccaca	gtgacacaac	ccatttcta	aagccctact	65640
gcaaacgcac	ccactcctgg	gactgagggg	ctgggggagc	gtctgggaag	tatggcctag	65700
gggtgtccat	caatgcccc	aatgcaccag	actctcccca	agacatcacc	ccaccagcca	65760
gtgagcagag	taaacagaaa	atgagaagca	gctgggaagc	ttgcacaggc	cccaaggaaa	65820
gagctttggc	aggtgtgcaa	gaggggatgt	gggcagagcc	tcagcagggc	cttttgctgt	65880
ttctgctttc	ctgtgcagag	agttccataa	actggtattc	aagatcaatg	gctgggagtg	65940
agcccaggag	gacagtgtgg	gaagagcaca	gggaaggagg	agcagccgct	atcctacact	66000
gtcatctttt	gaaagtttgc	cctgtgcccc	caatgctgca	tcatgggatg	cttaacagct	66060
gatgtagaca	cagctaaaga	gagaatcagt	gaaatgcatt	tgcagcacag	atctgaataa	66120
atcctccaga	atgtggagca	gcacagaagc	aagcacacag	aaagtgcctg	atgccaaggc	66180
aaagttcagt	gggcaccttc	aggcattgct	gctgggcaca	gacactctga	aaagcactgg	66240
caggaactgc	ctgtgacaaa	gcagaaccct	caggcaatgc	cagccctaga	gcccttcctg	66300
agaacctcat	gggcaaagat	gtgcagaaca	gctgtttgtc	atagccccaa	actatggggc	66360
tggacaaagc	aaacgtccat	ctgaaggaga	acagacaaat	aaacgatggc	aggttcatga	66420
aatgcaaact	aggacagcca	gaggacaaca	gtagagagct	acaggcggct	ttgcggttga	66480
gttcatgaca	atgctgagta	attggagtaa	cagaggaaag	cccaaaaaat	acttttaatg	66540
tgatttcttc	taaataaaaat	ttacaccctg	caaaatgaac	tatcttctta	agggataaac	66600
tttcccctgg	aaaaactata	aggaaaatca	agaaaacgat	gatcacataa	acacagtgg	66660
ggttacttct	actgggggaag	gaagagggta	tgagctgaga	cacacagagt	cggcaagtct	66720
cctaacaaga	acagaacaaa	tacattacag	taccttgaaa	acagcagtta	aacttctaaa	66780
tcgcaagaag	aggaaaatgc	acacacctgt	gttttagaaaa	ttctcagtc	agcactgttc	66840
ataatagcaa	agacattaac	ccagggttga	taaataagcg	atgacacagg	caattgcaca	66900
atgatacaga	catacattca	gtatatgaga	catcgatgat	gtatccccaa	agaaatgact	66960
ttaaagagaa	aaggcctgat	gtgtggtggc	aatcacctcc	ctgggcatcc	ccggacaggc	67020
tgcaggctca	ctgtgtggca	gggcaggcag	gcacctgctg	gcagctcctg	gggcctgatg	67080
tggagcaggc	acagagctgt	atatccccaa	ggaagggtaca	gtcagtgcac	tccagagaga	67140
agcaactcag	ccacactccc	tggccagaac	ccaagatgca	cacccatgca	cagggaggca	67200
gagcccagca	cctccgcagc	caccaccacc	tgcgcacggg	ccaccacctt	gcaggcacag	67260
agtgggtgct	gagaggaggg	gcagggacac	caggcagggg	gagcaccag	agaaaactgc	67320
agaagcctca	cacatccacc	tcagcctccc	ctgacctgga	cctcacctgg	cctgggcctc	67380
acctgacctg	gacctcacct	ggcctgggct	tcacctggcc	tgggcttcac	ctgacctgga	67440
cctcacctgg	cctcgggcct	cacctggcct	gggcttcacc	tggcctgggc	ttcacctgac	67500
ctggacctca	cctggcctgg	gcctcacctg	acctggacct	cacctggcct	gggcttcacc	67560
tggcctgggc	ttcacctggc	ctgggcttca	cctgacctgg	acctcacctg	gctcgggctt	67620
cacctgacct	ggacctcacc	tggcctcggg	cctcacctgc	acctgctcca	ggtcttgctg	67680
gagcctgagt	agcactgagg	ctgtagggac	tcatccaggg	ttggggaatg	actctgcaac	67740
tctcccacat	ctgacctttc	tgggtggagg	cacctggtgg	cccagggaat	ataaaaagcc	67800

ccagaatgat	gcctgtgtga	tttgggggca	atztatgaac	ccgaaaggac	atggccatgg	67860
ggtgggtagg	gacagtaggg	acagatgtca	gcctgaggtg	aagcctcagg	acacaggtgg	67920
gcatggacag	tgtccacctt	agcgaggggc	agacccgagt	gtccctgcag	tagacctgag	67980
agcgctgggc	ccacagcctc	ccctcggggc	cctgctgcct	cctcaggtca	gccctggaca	68040
tcccgggttt	ccccaggcct	ggcggtaggt	ttgaagttag	gtctgtgtca	ctgtggtatt	68100
actatgatag	tagtggttat	tactaccaca	gtgtcacaga	gtccatcaaa	aactcatgcc	68160
tgggagcctc	ccaccacagc	cctccctgcg	ggggaccgct	gcatgccgtg	ttaggatttt	68220
gacgaggagc	acggcgccat	gggtatggtg	gctaccacag	cagtgcagcc	catgacccaa	68280
acacacgggg	cagcagaaac	aatggacagg	cccacaagtg	acatgatggg	gctccagccc	68340
accagcccca	gagaccatga	aacagatggc	caaggtcacc	ctacaggtca	tccagatctg	68400
gctccaaggg	gtctgcatcg	ctgctgccct	cccaacgcca	aaccagatgg	agacagggcc	68460
ggccccatag	caccatctgc	tgccgtccac	ccagcagtc	cggagcccc	tccctgaacg	68520
ctggggccacg	tgtgtgaacc	ctgcgagccc	cccatgtcag	agtaggggca	gcaggagggc	68580
ggggctggcc	ctgtgcaactg	tcaactgccc	tgtggtccct	ggcctgcctg	gccctgacac	68640
ctgagccctct	cctgggtcat	ttccaagaca	ttcccaggga	cagccggagc	tgggagtcgc	68700
tcatcctgcc	tggctgtcct	gagtcctgct	catttccaga	cctcaccagg	gaagccaaca	68760
gaggactcac	ctcacacagt	cagagacaac	gaaccttcca	gaaatccctg	tttctctccc	68820
cagtgcagaga	aacctctctt	cagggtttct	cttctctccc	acctcttcc	aggacagtcc	68880
tcagcagcat	cacagcggga	acgcacatct	ggatcaggac	ggccccaga	acacgcgatg	68940
gcccattgggg	acagcccagc	ccttcccaga	cccctaaaag	gtatccccac	cttgcaacctg	69000
ccccagggtct	caaactccag	gaggcctgac	tctgcacac	cctcctgcc	gatatacact	69060
cagccccctc	ctggagggga	caggagccc	ggagggtag	tcagaccac	ctgccctcaa	69120
tggcaggcgg	ggaagattca	gaaaggcctg	agatccccag	gacgcagcac	cactgtcaat	69180
ggggggccca	gacgcctgga	ccagggcctg	tgtgggaaag	gcctctggcc	acactcaggg	69240
gctttttgtg	aagggccctc	ctgctgtgtg	actacggtgg	taactcccac	agtgatgaaa	69300
ccagcagcaa	aaactgaccg	gactcgcagg	gtttatgcac	acttctcggc	tccgagctct	69360
ccaggagcac	aagagccagg	cccaggggtt	tgtgccccaga	ccctcggcct	ctagggacac	69420
ccgggccatc	ttagccgatg	ggctgatgcc	ctgcacaccg	tgtgctgcc	aacaggggct	69480
tcagagggct	ctgaggtgac	ttcactcatg	accacaggtg	ccctggctcc	ttcactgcc	69540
gctgcaccag	acctgttcc	gagagatgcc	ccagttccaa	aagccaattc	ctggggccgg	69600
gaattactgt	agacaccagc	ctcattccag	tacctcctgc	caattgcctg	gattcccatc	69660
ctggctggaa	tcaagagggc	agcatccgcc	aggctcccaa	caggcaggac	tcccacacac	69720
cctcctctga	gaggccgctg	tgttccgcag	ggccaggccg	cagacagttc	ccctcacctg	69780
cccatgtaga	aacacctgcc	attgtcgtcc	ccacctggca	aagaccactt	gtggagcccc	69840
cagccccagg	tacagctgta	gagagagtcc	tcgaggcccc	taagaaggag	ccatgcccg	69900
ttctgcccgg	accctcggcc	aggccgacag	gagtggacgc	tggagctggg	cccacactgg	69960
gccacatagg	agctcaccag	tgagggcagg	agagcacatg	ccggggagca	cccagcctcc	70020
tgtgaccag	agaccgctcc	cagagcccag	gaggctgcag	aggcctctcc	agggggacac	70080
agtgcattgc	tggtccctga	gcagcccca	ggctctctag	cactgggggc	ccctggcaca	70140
gctgtctgga	ccctccctgt	tccctgggaa	gctcctcctg	acagccccgc	ctccagttcc	70200
aggtgtggtt	attgtcaggg	ggtgccaggc	cgtggttagag	atggctacaa	ttaccacagt	70260
ggtgccgccc	atagcagcaa	ccaggccaag	tagacagacc	cctgccacgc	agccccaggc	70320
ctccagctca	cctgtctctc	ctggggctct	caaggctgct	gtctgccttc	tggccctctg	70380
tggggagggt	tccctcagtg	ggaggtctgt	gctccagggc	agggatgact	gagatagaaa	70440
tcaaaggctg	gcagggaaag	gcagcttccc	gccttgagag	gtgcaggcag	caccacagag	70500
ccatggagtc	acagagccac	ggagccccc	gtgtgggcgt	gtgagggtgc	tgggctccc	70560
gcaggcccag	ccctgatggg	gaagcctgcc	ccgtcccaca	gcccaggctc	ccaggggcag	70620
caggcacaga	agctgccaag	ctgtgctcta	cgatcctcat	ccctccagca	gcattccactc	70680
cacagtgggg	aaactgagcc	ttggagaacc	accagcccc	ctggaaacaa	ggcggggagc	70740
ccagacagtg	ggcccagagc	actgtgtgta	tcttggaact	aggtgcaggg	accacccgga	70800
gatccccatc	actgagtggc	cagcctgcag	aaggacccaa	cccccaaccag	gccgcttgat	70860
taagctccat	ccccctgtcc	tgggaacctc	ttcccagcgc	caccaacagc	tggccttccc	70920
aggccctcat	ccctccaagg	aaggccaaa	gctgggcctg	ccaggggcac	agtaccctcc	70980
cttgccctgg	ctaagacagg	gtgggcagac	ggctgcagat	aggacatatt	gctggggcat	71040
cttgctctgt	gactactggg	tactggctct	caacgcagac	cctacaaaaa	tccccactgc	71100
ctcccctgct	aggggctggc	ctggctctct	cctgctgtcc	taggaggctg	ctgacctcca	71160
ggatggcctt	tgtccccagt	tctagggcca	gagcagatcc	caggcaggct	gtaggctggg	71220
aggccacccc	tgtccttgcc	gaggttcagt	gcaggcaccc	aggacaggaa	atggcctgaa	71280

cacaggggatg	actgtgccat	gccctaccta	agtccgcccc	tttctactct	gcaacccccca	71340
ctccccaggt	cagcccatga	cgaccaacaa	cccaacacca	gagtcactgc	ctggccctgc	71400
cctgggggagg	acccctcagc	ccccaccctg	tctagaggag	ttgggggggac	aggacacagg	71460
ctctctcctt	atggttcccc	cacctggctc	ctgccgggac	ccttgggggtg	tggacagaaa	71520
ggacgcctgc	ctaattggcc	cccaggaacc	cagaacttct	ctccagggac	cccagcccga	71580
gcacccccctt	acccaggacc	cagccctgcc	cctcctcccc	tctgctctcc	tctcatcact	71640
ccatgggaat	ccagaatccc	caggaagcca	tcaggaaggg	ctgaaggagg	aagcggggcc	71700
gctgcaccac	cgggcaggag	gctccgtctt	cgtgaaccca	gggaagtgcc	agcctcctag	71760
agggtatggt	ccaccctgcc	tggggctccc	accgtggcag	gctgcgggga	aggaccaggg	71820
acggtgtggg	ggagggctca	gggccctgca	ggtgctccat	cttggatgag	cccatccctc	71880
tcacccaccg	acccgcccac	ctcctctcca	ccctggccac	acgtcgtcca	caccatcctg	71940
agtcccacct	acaccagagc	cagcagagcc	agtgcagaca	gaggctgggg	tgcagggggg	72000
ccgccagggc	agctttgggg	agggaggaat	ggaggaaggg	gaggtcagtg	aagaggcccc	72060
cctccccctg	gtctaggatc	cacctttggg	acccccggat	ccatccccct	ccaggctctg	72120
ggaggagaag	caggatggga	gattctgtgc	aggaccctct	cacagtggaa	tacctccaca	72180
gcggtctcagg	ccagatacaa	aagccccctca	gtgagccctc	cactgcagtg	cagggcctgg	72240
gggcagcccc	tcccacagag	gacagaccca	gcacccccgaa	gaagtcctgc	caggggggagc	72300
tcagagccat	gaaggagcaa	gatatgggga	ccccaaatact	ggcacagacc	tcagctccat	72360
ccaggccccc	caggacccac	catgggtgga	acacctgtct	ccggccccctg	ctggctgtga	72420
ggcagctggc	ctctgtctcg	gacccccatt	ccagacacca	gacagaggga	caggcccccc	72480
agaaccagtg	ttgagggaca	cccctgtcca	gggcagccaa	gtccaagagg	cgcgctgagc	72540
ccagcaaggg	aaggccccca	aacaaaccag	gaggtttctg	aagctgtctg	tgtcacagtc	72600
gggtatagca	gcggtacca	caatgacact	gggcaggaca	gaaaccccat	cccaagtcag	72660
ccgaaggcag	agagagcagg	caggacacat	ttaggatctg	aggccacacc	tgacactcaa	72720
gccaacagat	gtctcccctc	cagggcgccc	tgcctgttcc	agtgttccctg	agaaaaacagg	72780
ggcagcctga	ggggatccag	ggccaggaga	tgggtccctc	ctaccccagag	gaggagccag	72840
gcgggaatcc	cagccccctc	cccattgagg	ccatcctgcc	cagaggggccc	cggaccccacc	72900
ccacacaccc	aggcagaatg	tgtgcaggcc	tcaggctctg	tgggtgccgc	tagctggggc	72960
tgccagtcct	caccccacac	ctaaggtgag	ccacagccgc	cagagcctcc	acaggagacc	73020
ccacccagca	gcccagcccc	tacccaggag	gccccagagc	tcagggcgcc	tgggtggatt	73080
ctgaacagcc	ccgagtcacg	gtgggtatag	tgggagctac	taccactgtg	agaaaagcta	73140
tgtccaaaac	tgtctcccgg	ccactgctgg	aggcccagcc	agagaaggga	ccagccgccc	73200
gaacatacga	ccttcccaga	cctcatgacc	cccagcactt	ggagctccac	agtgtcccca	73260
ttggatggtg	aggatggggg	ccggggccat	ctgcacctcc	caacatcacc	cccaggcagc	73320
acaggcacaa	acccccaaatc	cagagccgac	accaggaaca	cagacacccc	aataccctgg	73380
gggaccctgg	ccttgggtgac	ttcccactgg	gatccacccc	cgtgtccacc	tggatcaaag	73440
accccaccgc	tgtctctgtc	cctcactcag	ggcctgctga	ggggcgggtg	cttttgagca	73500
gactcaggtt	tagggggccac	catttgtggg	cccaacctcg	accaggacac	agatttttct	73560
ttcctgccct	ggggcaacac	agactttggg	gtctgtgcag	ggaggacctt	ctggaaagtc	73620
accaagcaca	gagccctgac	tgaggtggtc	tcaggaagac	ccccaggagg	gggcttgtgc	73680
cccttcctct	catgtggacc	ccatgcccc	caagataggg	gcatcatgca	gggcaggtcc	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	agggttggag	ccgcccatag	73980
ggtgggggct	ccaggtctca	ctcactcgct	tcccttcctg	ggcaaaggag	cctcgtgccc	74040
cgggtccccc	tgacggcgct	gggcacagg	gtgggtactg	ggccccagg	ctcctccagc	74100
cccagctgcc	ctgctctccc	tgggaggcct	gggcaccacc	agaccaccag	tccagggcac	74160
agccccagg	agccgcccac	tgccagctca	caggaagaag	ataagcttca	gaccctcagg	74220
gccgggagct	gccttcctgc	caccccttcc	tgccccagac	ctccatgccc	tcccccaacc	74280
acttacacac	aagccaggga	gctgtttcca	cacagttcaa	ccccaaacca	ggacggcctg	74340
gcactcgggt	cactgccatt	tctgtctgca	ttcgtcccca	gcgcccctgt	gttcctccc	74400
tcctccctcc	ttccttttct	cctgcattgg	gttcatgccg	cagagtgcc	ggtgcaggtc	74460
agccctgagc	ttggggctac	ctcctcactg	aaggcagcct	cagggtgccc	aggggcaggc	74520
agggtggggg	tgaggcttcc	agctccaacc	gctccactag	ccgagactaa	ggaagtgaga	74580
ggcagccaga	aatccagacc	attccatagc	aatgggattt	cattaaagtt	accagacttc	74640
agtgtaaagta	acatgagccc	catgcacaac	aatcccttat	gaaggggaag	tcagtgtcgc	74700
ctcggatttc	ttgaaaaaca	caaaaactta	tcaatgcctg	taaaagtctg	ttggaaagaa	74760

aatatgattc	aagaatgtta	tgcccaacaa	agctggcata	ttttctaccc	ggacacactc	74820
agggaatgtg	gtcccttgag	tgcttctctc	actgcgtaaa	tcctacgtgg	tgtttaagca	74880
tattcataaa	tgtgtatgtc	tattttttatg	tgtaagatgg	ttcatttttta	ttttatttat	74940
tcaatatgta	caataaagaa	tattgacaaa	taggctggac	atggtgggctc	ccacctgtaa	75000
tcccagccct	ttgggaggcc	gaggcgggca	gatcacctga	ggtctggagt	tcgagaccag	75060
cctggccaac	atgatgaaaa	cccattctcta	ctaaaaatac	aaagattagc	caggcatggt	75120
ggtgcatgcc	tgtaatccca	gccactcagg	aggctgagac	aggagaaatg	cgtgaacccg	75180
gaaggcggag	gttgcagtga	gccgagatca	caccactgca	ctccagcctg	gcgacagagc	75240
aagattccat	ctcaaaaaaa	aaaaaagaca	aagaaatttg	tttttttgaa	taaagacaaa	75300
tttcatcaca	cgaagataaa	gatgcaaagc	tccagacagg	aaggcacgga	cagcacagtg	75360
aagcccggag	cgggcgctgg	ggggccaggg	gcatggcggg	ggtgccagcg	tctctcggtt	75420
cctaccatgg	ccactccagc	ctgtgttctc	acgaggatgg	ctgtgcaatg	ctaggagcgt	75480
gttcgaagct	ctagggcaac	cactggaagt	gaggctgagg	agcagagccc	agaggcccgt	75540
ggagctgatg	aaaagaaagc	tggagaaagt	gtttgctgcc	tccaacatg	gtaagaaaag	75600
atagaaagag	agagcacacg	gcaaaggagg	cttgctgagg	gactctttac	aatggcttgc	75660
acagagctca	gggggtctgg	gaggctaggg	ccctgcgcag	ggcagtcacc	ccagcctgct	75720
gaccaagggt	tgctgcaggc	agctctgggg	gtggttgagg	cgcggtccct	ggagccaccc	75780
ctcaagggaa	cgaggcagca	gagtgggcca	aggcccagggt	cggctgcaag	gctgcccagg	75840
acttggggtc	cttacatcag	cagccactga	tgcagctggc	ccagagagag	gcgccgagca	75900
ggttgccctc	aggggacaaa	ccaggtcgga	gagggtgagg	cagtggatgg	agccacaaca	75960
accccgggca	cgggtgacac	gcacgttcat	gcacatctga	cccttcctcc	ctcaccaaac	76020
aggccccct	gccttcccca	tggttgcgaa	aaagcaaaat	gtagacgttt	tttctttttt	76080
aattcatgtt	ttaattgaca	aatgaagccg	tatatatttta	ttgtgtacaa	catgatgctt	76140
taaaaatatgt	atacatcgtg	gaacagcaac	gttgagctaa	tttaacacgc	attacttcac	76200
atacttgtca	tcttttgtgg	cgagaatgct	taaaatccac	tctcttagta	ttttttaaga	76260
atgcaataca	ttgttgtcaa	ctgtggtcac	cgtcatgcat	agccaagctc	ccgacctcac	76320
cctcctgcca	gctcaggctg	tgcattcctt	caccagcatc	ccccaccccg	gcccctggcc	76380
ctggtaacta	ccactctata	ctctacgtat	gagttcagct	ttttaagatt	ccacagatga	76440
atgagatcat	acagtatttg	ctttctatgc	ctggcttatt	ttagttaaca	cactgtcctc	76500
cagatccatc	cgttggttga	aatgacaggg	tttcattcct	tttaaagtct	aaagagtatt	76560
ccatttgtgc	aatggacctc	atttgcttta	tccatgcatc	aactatggac	atttaggttg	76620
attccatttc	ttagctgttg	tggatggtgc	tgcagtaaac	atggggctgc	agatgtctct	76680
tcaacatact	gacatcatgt	ccttttgata	aatacccagt	agtgggatcg	ctggatcaca	76740
atgtacagtt	tttttttttaa	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	cacaggacct	agaataaaga	gagttgccag	cggacgcctg	77100
gtgtccatgt	gtccagggtga	gttcgagatg	cggacggcgc	tggccagcca	gtcacaccct	77160
aagtcaatct	gctgcatgca	tttgtccttg	ccacagcaga	aaacgagaaa	gcctttgggc	77220
tgcaaagctt	cacaggctcc	tcttctcccg	actccatgga	aacagctaca	aagagcaggc	77280
ccagtagagc	ttaattcatg	aaaatgagta	ataaacttga	actggaacag	tatcgacttt	77340
ttagaaaagg	cagcaaagtg	tataaaaaat	attcaccaga	acaatatattc	caaacgatga	77400
gatgagaatt	tcagccaagt	aatcctccat	ggatagaaaa	taatgaaggg	attggattta	77460
tgaaggaaaa	tcattggagct	caaatacaag	aaaagagaaat	caaaaatgaa	caggaggaga	77520
taaaatatgg	tttgcccaaa	gttacaaaaat	aaatttttta	aaaacccttc	atcatggcaa	77580
gtagaagag	cgagaggaaa	aacagatccc	gtggaagaca	caaataggac	atggggagaa	77640
aatgaatga	gatgaaacag	agcagaaata	aaatttttacg	gaactaaaga	caagtgatct	77700
gaacctgcct	ggggcctggg	ggacctcgcc	accctgaagg	gaaagaacat	gcctggctgg	77760
ctttgccacc	tgctcattgc	agagccccac	agcttgcaac	aaacataggc	ggtagccagg	77820
gagtggttac	agcaggcctt	gagcaagacc	cagtgttgtg	ctgacttcag	gtctgaccca	77880
gcactgtcat	agtgggtggtg	tccatagtgg	tagtgggggt	gcttgtgtca	ctccaccccc	77940
atctccagga	ggctcagaac	agacagagag	agactccatt	tgtttgaggag	aaagtaaggg	78000
atgagaacaa	gagtcctctgc	ctggtaatcc	agagaattat	tctagatctt	ggccaagatt	78060
atcaaagcag	tacctctatg	agtcttttgg	gcttgaggctc	cccctaaagc	agatatagct	78120
aagatcacaa	cacccaagtc	cttttgaata	tgtgggaaga	cttcccaagg	acaggagcaa	78180
acaaacaagc	ccagactgca	aaaaaacaag	ccgagactgc	aataaacacc	tcactcttca	78240

atgcccaggc	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	aaaatgcatc	agagtatttt	78540
catagcctca	tatatcaagt	agaagaaaga	attagtgagc	ttgaaaacag	gctatttgga	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	tttaaaaaga	78900
tcctaaaagc	agcaaaaaga	aagaaatgaa	taaaatacta	tggagctcca	atatgtctgg	78960
cagcagactt	ttcagtgaag	acttttatatg	ccaggagaga	gtgtcataat	ggatttaaag	79020
tgctgaagga	aaaaactttt	accctcgaac	agtatagctg	gtgaaattat	ccttcaaaca	79080
tgaaggagaa	ataattttgtt	tccagacaaa	tggttgaggga	tttcatgaac	accagacctg	79140
tcttttaaga	aatgctaaag	ggagtacttc	aatcagaaaag	aaacacgtta	gtgaacaata	79200
agaaatcatc	tgaaggcaca	aaactcaccg	gtaatagtaa	gtacacagaa	aaacacagaa	79260
tattataaca	ctgtaactgt	ggtgtgtaaa	ctccttttgt	ttgtttgttt	gtttgtttgt	79320
ttgtttttgt	ttttagacgg	agttttgctc	cagcccaggc	tggagtgcaa	tggcacaaatc	79380
tcagctcact	gcaacttcca	cctcccgggt	tcaagcaatt	ctcctgcctc	agcctcccaa	79440
gtagctggga	ttacaggcat	gtgctaccat	gtccagctaa	ttttgtattt	tagtagagac	79500
ggtgtttcac	catgttggtc	aggctagcct	tatcttgagt	agaaaaacta	aatgatgaag	79560
caatgaaaaa	taataactac	aacttttcaa	gacatagtac	aataagatat	aaatcataac	79620
aaaaagttaa	aagggtggagg	gatgaagtta	aggcatagag	tctttattag	ttttcttttt	79680
acttgtctgt	ttatgcaaac	agtgttaagt	tgtcatcagt	ttaaaaataat	gggtcataag	79740
atactatttg	caagcctcat	ggtaacgtca	aacaaaaagc	aatacaacag	atacacaaaa	79800
aacaaaaagc	aagaagctaa	attacgtcat	cagagaaaaat	caccttcact	aaaaggaaga	79860
cggagaaaaag	aatgaagaga	gagaagacca	aaagcaaata	gcaatatggc	aggagtaagt	79920
ccttacttat	caataatacc	attgaatgta	aatggactaa	actctccaat	caaaagacat	79980
agagtggctg	aatcaattaa	agaaaaaaca	agaccattg	atctgttgtc	cacaagaaac	80040
acactttatc	tataaagaca	cacatagact	gaaaacaaag	ggatggaaaa	agatactcca	80100
cgccaatgga	aaccaaaaga	agagcaggag	tagctacact	tatatcaggc	aaaatagatt	80160
tcaagacaaa	aactataaga	agagacaagg	tcactaatga	taaacaggtc	aattcagcaa	80220
gaggatataa	caattgtaaa	tatatatgca	cccaatgctg	gagcacccag	atatataaag	80280
caagtattta	ctagagctaa	agagagaaat	agactccaat	gcaataatag	ctggagattt	80340
caacatccca	ctttcaacat	tgaacagatc	ctccagatag	aaaatcaaca	aagaaatatt	80400
ggacttaatc	tgcactatcg	accaaattgga	tctaacagat	atttacagaa	catttcatcc	80460
aacagctgca	gaacacacat	tcttttcctc	agcacataga	tcatttctcaa	ggatagacca	80520
tatgttggtg	cacaaaacaa	gttttaaaat	attcaaatac	attgaaataa	tatcaagcat	80580
cttctgtgac	cacaatggac	taaaactaga	aatcaataac	aagagggaatt	ttggaaacta	80640
tataaatata	tggaaattaa	tgaatgctga	gtgggtcaat	gaagcaatta	agaaggaaac	80700
tgaaattttt	cttggaacga	atgatcatgg	aaacagaaaa	taccaaaacc	tatgggatac	80760
agcaaaaagca	gtactaagag	ggaagtttac	agctacaaat	gcttacatta	aaaaagaaga	80820
aaaacttcaa	taaaaaaacc	taacaatgca	tcttaaagaa	ctagaaaagc	aagaggaaat	80880
caaatccaaa	attagtagaa	gaaaacagta	aagggtcagag	cagaaataag	taaaattgaa	80940
atgaagaaaa	caatacaaaa	gatcaataaa	acaacagggt	gttttcttga	aaagttaaac	81000
aaaattgaca	aaccttttagc	cagactaaga	aaaaaagaca	gaagatccaa	ataaataaaa	81060
tcagagatga	aaaagggtgac	attacaactt	acaccacaga	aattcaaagg	atcattagtgt	81120
gctactataa	gcaactatat	gccaataaat	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
tcaaaactatt	ccaaaaaata	gaggtggaag	gaatacttca	aaactcatta	tacgaggcca	81420
gtattaacct	gacaccaaaa	ctagacaaag	acacatgaaa	aaaagaaaac	tacaggccaa	81480
tatgtctgat	gaatattgac	acaaaaatcc	tcaacaaaat	actagcaaac	caaattcaac	81540
tacacattag	aaagtttcaact	catcatgacc	aagtgggaatt	tatctaactt	gggatgcaaa	81600
gatggttcaa	catatgcaaa	tcaatcaatg	tgatacatca	tatcaacaga	atgaacaaca	81660
aaaaccattt	gatcatttaa	ttgatactga	aaaagcattt	gataaaattc	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	tgcataatgg	atgatcttct	atttagagct	aactaaagac	82020
tccacaaaaa	aaagttatta	gaactgacga	acaaattcag	taaagctgca	ggatacaaaa	82080
tcaacataca	aaaatcagta	gcatttctat	atgccaaaca	tgaccaatgt	gaaaaagaaa	82140
ttaaaaagta	accctatttta	caataaccac	aaataaacac	ctaggaatta	accaaagagg	82200
taaaagattt	ctgtaatgaa	aactataaaa	cactgatgaa	agaaattgaa	gagtacacca	82260
aaaaatggaa	agcaattgca	tgttcattgga	ttagaagaat	cagtgttggt	ataatgtcca	82320
tactatccaa	agcaatctac	agattcaatg	caatccttat	caaaatacca	atgacatcat	82380
tcacagaaat	agaaaaaaa	aatcctaata	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	ctgggggaata	gataatgata	tctcttcaat	82680
aaatagtgtg	gggaaaactg	gatataccata	tacataacag	tgaaactaga	cccctctctc	82740
tctcactata	tacaaaaatc	aaatcaaaat	tgttttaagg	cttaaatcta	agacctcata	82800
ctatgaaacc	actgcaagac	aaccttggtg	gaaactctcc	aagacatcag	tccaggcaaa	82860
gattttcttga	gtaatatccc	acaagcacag	acaaccaaag	caaaaatgga	caaattggat	82920
cacatcaagt	taaaaagctt	ctgcacagta	agggaaacaa	ccaacaaaat	gaagagacaa	82980
cccacagaat	gggagaaaaat	atttgaaaaa	tacccatctg	gcaagggatt	aaaaaccaga	83040
atatatgcag	aatatataag	gagctcaaac	agtgtctatag	aaaaaaaaat	ctaataatct	83100
gattttaaaaa	tgggaaaaat	gttagaatag	acattttctta	aaataagaca	tacagatggc	83160
aaaccgacat	ggaacggtgc	tcaacatcat	ggattatcac	agaaacacaa	tcaatcaaaa	83220
ctaaaactaa	aatgtgctat	catctcacc	cagttaaaaat	ggctgatata	cagaagacag	83280
gcaataacaa	atgctggcaa	ggatgtgggg	aaaagggagc	ccccatacac	tgttgctggg	83340
attgtaaatt	agtacaacca	ctgtggagag	cagcatgaaa	gttcctcaaa	aaactgaaag	83400
aaagctacca	taggatccag	caatcccact	gctgtgtata	tactacaaaa	gaaagggaag	83460
cagtatatga	agaggtatct	gcactcccat	gtttgttgca	gccctgttca	caacagccaa	83520
gatttggaag	caacctaagt	gtccatcagc	agttgaatgt	ataaagaaaa	tgtggtgcat	83580
atacacaatg	gagtattatt	caataataaa	aaggaatgag	attgagtcac	ttgcaacaac	83640
atggatggaa	ctggagatca	ttatgtgaag	tgaaataagc	caggcacaga	aagacaaaca	83700
ttacaatgtt	cttactttatt	aatgagatct	aaaaatcaaa	acaattgcac	ccatgttcat	83760
aaagagtaaa	aggatgggta	ccagatgctg	agaacggtgg	tggggggata	gggaaagggtg	83820
gcagtgggta	acgggtacaa	aaaaatagaa	agaatgaata	agacttgcta	cttgatagca	83880
cagcaagggtg	gctatagtca	gtaatttagt	tgtatatttt	taataatgaa	aggtgtataa	83940
ttggattgtt	tctaacacaa	aggataatgc	ttaagaggat	ggatacccca	ttttccatga	84000
tgtgattatt	tcacattgca	cgcctagatc	aaaacatcca	atgtacccca	taaatatata	84060
catcttctat	gtacccataa	aaattctgta	aaataaaaata	tataaaaaaga	ggtgacagat	84120
atggaagaca	ggcaaagaag	agacgacatc	cacataatcc	gagtacctaa	gaaagaatgg	84180
agtccagtgc	atctcaggag	ccaccattct	aagccaattt	tctctggttc	tctcagtcac	84240
cctaccaata	cgtgggcaat	cttggtttat	ttcaggatag	agtttttgaa	attatagatt	84300
taagtatgct	ttctgttcta	ttacttttgg	taattaattt	tagaaagaac	taatttgggc	84360
acaaatttga	aaaaattcta	aatccaaaaa	aaaaaagaaa	aaaacacaca	cacaatcatc	84420
tataaggggg	atgatgacca	gtcctagatt	tctcaccagc	cacattcaag	atcagtaa	84480
ggtaggacaa	aacctgtagg	gtccttaagg	gggaaagaag	tagtgatag	tccagagtct	84540
atatacagcc	aactgttctt	gaagaaaaaa	ggctgctgaa	aaggagttcc	aaacattcta	84600
taatccataa	tctcatgatg	aaactactag	aggaagacca	ccagccatca	aaagggtgctt	84660
ggagaaccca	gggccaagaa	ccaaaagtaa	atattaagtg	tccttaactg	cgagactaag	84720
atagaaatga	ctgtggggga	ccatgtggcc	tcaacagagg	tgaaatgggtg	tctgcctgac	84780
aaagtggaca	ttttacaatg	atcaaaaacac	agaatatgag	atagagagca	cttctgaatt	84840
actgcctcac	tccaaataac	tctcagccaa	aggacttcag	taaaacccaa	ttgggcatat	84900
tagacagtac	aaacaaattc	taagaaaata	atattactga	ttacaatcac	atgatgctag	84960
agatggaggg	gaaaagggaag	aggaaaccag	gtaatttcat	actcgtatat	agtaaagaac	85020
taaagtacat	tgtccaaaga	agaacaaaga	atatttttga	aagttataaa	ggtagccact	85080
acacatagaa	gatagcaaag	aacaagaaaa	cttaagatgg	aaaacttttt	ggaagcataa	85140
gaatagaaaa	tataaactac	taagataaga	ttgaagccaa	acagatctat	gaaaacaaca	85200

aacatcaatg	gccttaactt	gcctattaaa	aggaagagac	tttcaaattg	gaccacaaga	85260
taaaacccaa	ctctatatag	catatgagta	ttacacacaa	aatgggaaaa	gctgaaaaaa	85320
cttggggcaaa	attcacccca	agcaaattcc	actgtttcct	ttgggacaaa	atgccaagct	85380
ccatgccagg	gaagatgatt	ctcctcagac	cttctcctca	ctctcccagt	cctcttaggg	85440
aaggaattgg	gtgttagagg	agggagactc	tgtcgattat	cagctgaagc	agtgggtgtg	85500
tcctgcgttg	cttctgacct	gggaaatgaa	gcagcaagac	tctttctgct	gtgtctttgc	85560
ccagaagggc	catcccccca	gagcagagta	cccaggccgg	caggagcagt	ggtggaagcg	85620
tggaaaccac	gtctcctaca	gcagagacca	tcagaagcgg	agcctcgggt	ataagggaaa	85680
caacgcgttc	tccctaacct	gggagtgaca	gacagcgtca	ttcctcacag	tgataccctg	85740
tgttctagcc	atctggccca	tgacagagcc	agcccagagc	cagcccagag	ccagcccctc	85800
accatcctgg	agcctggcca	gctcgccaag	ctgcaccata	ggcctggaag	gcgtgggagc	85860
ctgcggcagt	gccctgtcct	cccgtgaggc	ctgccatccc	tgccaggggt	cgcctctggc	85920
ttctccttct	ccaggaccgc	acgggtccaga	ggctcagtgc	ctggagtagg	tgttgccctcc	85980
ctgcttctag	gcccagaccc	tcccttgttc	ctgaccccgg	gcctttccct	ctggcttgga	86040
catccagggc	cctgtctcag	ctggggagct	gctcctgctc	aaggactgtc	ttccgcggga	86100
tcgaaaggcc	gcgtcctgaa	caatgcgtgg	gccacgtaag	cggagcaggc	tctaaaggcc	86160
gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	86220
cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	86280
gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	gccacgtgag	86340
cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	86400
tctaaaggcc	gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	86460
gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	86520
cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	86580
gccacgggag	cggagcagac	tctaaaggcc	gcgtcctaaa	cagtgtgtgg	gccacgtgag	86640
cggagcgccc	tctccactgc	cctcggggcc	gcagctccca	gctcagctcc	cagccctgct	86700
cagggcagcc	aggccaggag	gtaccatcca	ggctaagtga	ccctcagggg	ggacaggtgc	86760
cccaggagat	gccagctgtt	gggagaggct	gggggaccaa	ctcgacctgg	cctgtggggc	86820
ctgcctctgg	cacccattgt	aggatccagc	cgccacgcct	gtgacactcg	tgtgctttcc	86880
ctggtgtgtg	cttgtggcag	gtgggggagc	agggtcctca	ggccagagag	ccactccccd	86940
agcgccagac	cacccctctc	ctcactcccc	cacctcaacc	cctcacaggt	gcctcccagg	87000
ccatcagggc	ccaaccaccc	ctaaacaaat	gggttctcgg	cccctcgtgg	ctggaggtgg	87060
gttctctcac	cattcccagc	ctaagactcc	atccccatgc	tggcagctgt	tcaaccatgt	87120
ctagagagat	ccactgtccc	agacagcacc	tcagggtccc	ccgtcctgcc	tggaaacctg	87180
taggaaactc	cacaaaccgc	cgccattctg	tccacacccc	tacaggagcc	ccaaccctct	87240
ccccacatcc	aggcttccct	cccagacccc	tcateccctg	ccgcacgggt	cctgaggggg	87300
ccttcttggg	cagcgccctaa	gcaagccccc	agcacccttc	ggccccctca	aggcacacag	87360
gccccctttc	cacccagcct	caggaaacca	cctgtgtcct	ccaacgacag	gtcccagcct	87420
cccagccttt	gccttgccctg	ttcctctccc	tggaaactctg	ccccgacaca	gaccctcccc	87480
agcaagcccg	caggggcacc	tcccctgccc	ccagacaccc	tgtgcccgtc	agttcatccc	87540
cagcagaggc	cctcaccagg	cacaccccca	tgctcacacc	tggccccagg	cctcagcctc	87600
cctgagggcc	ccaccagacc	cgcgtctggc	cagtgggtgcg	tgcaaagccc	ctcaccaga	87660
ctcggcggaa	ggcagccagt	gcaggcctgg	ggaggggctc	tccttagacc	accttgacc	87720
ttccctggca	cccaccatgg	gaagagctga	gactcactga	ggaccagctg	aggctcagag	87780
aagggaacca	gcaactggtg	acacgcaggg	agcccacgcc	agggcgccgt	ggtgagtga	87840
gcccagtgcc	acccactgag	gcctcccgtt	cagtgggacg	acggtgaaca	ggtggaacca	87900
accaggcaac	ccccgcgggg	ccccacagac	gggatcagag	caggaaaggc	ttcctgcccc	87960
tgcaggccag	cgaggagccc	tggcgggggc	cgtggccctc	caggcgagga	ggctcccctg	88020
gccaccgcca	cccgggcctc	tctgtgtgtg	ggaaaacaag	tcagaaagca	agtggatgag	88080
aggtggcggtg	acagaccagc	cttcagatct	gctctaattt	acaaaagaaa	aggaaaaaca	88140
cacttggcag	ccttcagcac	tctaattgatt	cttaacagca	gcaaattatt	ggcacaagac	88200
tccagagtga	ctggcagggt	tgagggtctg	ggtctcccac	gtgttttggg	gctaacagcg	88260
gaagggagag	caactggcaaa	ggtgtgtggg	gccccctggac	ccgaccgcgc	ctggagaccg	88320
cagccacatc	agcccccagc	cccacaggcc	ccctaccagc	cgcagggttt	tggctgagct	88380
gagaaccact	gtgctaactg	gggacacagt	gattggcagc	tctacaaaaa	ccatgctccc	88440
ccgggacccc	gggctgtggg	tttctgtagc	ccctggctca	gggctgactc	accgtggctg	88500
aatacttcca	gcaactggggc	cagggcaccc	tggtcaccgt	ctcctcaggt	gagtctgtctg	88560
tctgggggata	gcgggggagcc	aggtgtactg	ggccaggcaa	gggctttggc	ttcagacttg	88620
gggacagggtg	ctcagcaaaag	gaggtcggca	ggagggcgga	gggtgtgttt	ttgtatggga	88680

gaagcaggag	ggcagaggct	gtgctactgg	tacttcgatac	tctggggccg	tggcaccctg	88740
gtcactgtct	cctcaggtga	gtcccactgc	agccccctcc	cagtcttctc	tgtccaggca	88800
ccaggccagg	tatctggggg	ctgcagccgg	cctgggtctg	gcctgaggcc	acaccagctg	88860
ccatccctgg	ggtctccgcc	atgggctgca	tgccagagcc	ctgctgtcac	ttagccctgg	88920
ggccagctgg	agcccccaag	gacaggcagg	gaccccgctg	ggcttcagcc	ccgtcaggga	88980
ccctccacag	gtagcaagca	ggccgagggc	agggacggga	aggagaagtt	gtgggcagag	89040
cctgggctgg	ggctggggcg	tggctgttca	tgtgcccggg	accaggcctg	cgcttttagt	89100
tggctacaag	tgcttgaggc	actggggcca	gggcagcccc	gccaccgtct	ccctgggaac	89160
gtcacccttc	cctgcctggg	tctcagcccc	ggggtctgtg	tggctgggga	cagggacgcc	89220
ggctgcctct	gctctgtgct	tgggccatgt	gacccattcg	agtgtcctgc	acgggcacag	89280
gtttgtgtct	gggcaggaaac	agggactgtg	tccctgtgtg	atgcttttga	tatctggggc	89340
caagggacaa	tggtcaccgt	ctcttcagggt	aagatggctt	tccttctgcc	tcctttctct	89400
gggcccagcg	tcctctgtcc	tggagctggg	agataatgtc	cgggggctcc	ttggtctgct	89460
ctggggccatg	tggggccctc	cggggctcct	tctccggctg	tttgggacca	cgttcagcag	89520
aaggccctttc	tttgggaact	gggactctgc	tgctggggca	aagggtgggc	agagtcatgc	89580
ttgtgtctgg	gacaaaatga	ccttggggaca	cggggctggc	tgccacggcc	ggcccgggac	89640
agtcggagag	tcaggttttt	gtgcaccctt	taatggggcc	tcccacaatg	tgactacttt	89700
gactactggg	gccagggaac	cctggtcacc	gtctcctcag	gtgagtcctc	acaacctctc	89760
tcctgtctta	actctgaagg	gttttgtctg	atttttgggg	ggaaataagg	gtgctgggtc	89820
tcctgccaaag	agagccccgg	agcagcctgg	ggggctcagg	aggatgccct	gaggcaacag	89880
cgccacacaca	gacgaggggc	aagggtccca	gatgtctcct	cctcctgagc	ccagcagcac	89940
gggtctctct	gtggccaggg	ccaccctagg	cctctggggg	ccaatgccca	acaacccccg	90000
ggccctcccc	gggctcagtc	tgagaggggtc	ccagggacgt	agcggggcgc	cagttcttgc	90060
ctggggctcct	ggcattgttg	tcacaatgtg	acaactgggt	cgacccctgg	ggccagggaa	90120
ccctggtcac	cgtctcctca	ggtgagtcc	caccaccccc	tctctgagtc	cacttaggga	90180
gactcagctt	gccagggtct	cagggtcaga	gtcttgagg	cattttggag	gtcaggaaag	90240
aaagccgggg	agagggaacc	ttcgaatggg	aaccacagct	gtcctcccca	agtccggcca	90300
cagatgtcgg	cagctggggg	gtcctctcgg	ctgggtctgg	gtgacctctc	tccgcttcac	90360
ctggagcatt	ctcaggggct	gtcgtgatga	ttgcgtgggt	ggactctgtc	ccgctccaag	90420
gcacccgctc	tctgggacgg	gtgccccccg	gggttttttg	actcctgggg	gtgacttagc	90480
agcgtctgtc	ttgcagttgg	acttcccagg	ccgacagtgg	tctggcttct	gaggggtcag	90540
gccagaatgt	gggttacgtg	ggaggccagc	agagggttcc	atgagaaggg	caggacaggg	90600
ccacggacag	tcagcttcca	tgtgacgccc	ggagacagaa	ggtctctggg	tggctgggtt	90660
tttgtggggg	gaggatggac	attctgccat	tgtgattact	actactacta	cggtatggac	90720
gtctggggcc	aagggaaccac	ggtcaccgtc	tcctcaggta	agaatggcca	ctctagggcc	90780
tttgttttct	gctactgcct	gtgggggttt	ctgagcattg	caggttggtc	ctcggggcat	90840
gttccgaggg	gacctgggcg	gactggccag	gaggggacgg	gcactggggg	gccttgagga	90900
tctgggagcc	tctgtggatt	ttccgatgcc	tttggaaaat	gggactcagg	ttgggtgctg	90960
ctgatggagt	aactgagcct	ctagactgag	cattgcagac	taatcttgga	tatttgtccc	91020
tgagggagcc	ggctgagaga	agttgggaaa	taaactgtct	agggatctca	gagcctttag	91080
gacagattat	ctccacatct	ttgaaaaact	aagaatctgt	gtgatgggtg	tgggtggagtc	91140
cctggatgat	gggataggga	ctttggaggc	tcatttgagg	gagatgctaa	aacaatccta	91200
tggctggagg	gatagttggg	gctgtagttg	gagattttca	gttttttagaa	taaaagtatt	91260
agctgcggaa	tatacttcag	gaccacctct	gtgacagcat	ttatacagta	tccgatgcat	91320
agggacaaaag	agtggagtg	ggcactttct	ttagattttg	gaggaatggt	ccacactaga	91380
ttgtttaaaa	cttcattttg	tgggaaggaga	gctgtcttag	tgattgagtc	aagggaagaa	91440
ggcatctagc	ctcgggtctca	aaagggtagt	tgctgtctag	agaggtctgg	tggagcctgc	91500
aaaagtccag	ctttcaaagg	aacacagaag	tatgtgtatg	gaatattaga	agatgttgct	91560
tttactctta	agttgggtcc	taggaaaaat	agttaaaatac	tgtgacttta	aaatgtgaga	91620
gggttttcaa	gtactcattt	ttttaaatgt	ccaaaattct	tgtcaatcag	tttgaggctc	91680
tgtttgtgta	gaactgatat	tacttaaaag	ttaaccgagg	aatgggagtg	aggctctctc	91740
ataacctatt	cagaactgac	ttttaacaat	aataaattaa	gtttcaaata	tttttaaatg	91800
aattgagcaa	tgttgagttg	gagtcaagat	ggccgatcag	aaccagaaca	cctgcagcag	91860
ctggcaggaa	gcagggtcatg	tggcaaggct	atttggggaa	gggaaaataa	aaccactagg	91920
taaacttgta	gctgtgggtt	gaagaagtgg	ttttgaaaca	ctctgtccag	ccccaccaa	91980
ccgaaagtcc	aggctgagca	aaacaccacc	tgggtaattt	gcattttctaa	aataagttga	92040
ggattcagcc	gaaactggag	aggtcctctt	ttactttatt	gagttcaacc	ttttaatttt	92100
agcttgagta	gttctagttt	cccaaactt	aagtttatcg	acttctaaaa	tgtatttaga	92160

attcatttttc	aaaattaggt	tatgtaagaa	attgaaggac	tttagtgtct	ttaattttcta	92220
atatattttag	aaaactttctt	aaaattactc	tattatttctt	ccctctgatt	attgggtctcc	92280
attcaattctt	tttccaatac	ccgaagcatt	tacagtgact	ttgttcatga	tctttttttag	92340
ttgtttgttt	tgccttacta	ttaagacttt	gacattcttg	tcaaaacggc	ttcacaaatc	92400
tttttcaaga	ccactttctg	agtattcatt	ttaggagaaa	gacttttttt	ttaaataaat	92460
gcaattatct	agacttattt	cagttgaaca	tgctgggttg	tggttgagag	gacactcagt	92520
cagtcagtga	cgtgaagggc	ttctaagcca	gtccacatgc	tctgtgtgaa	ctccctctgg	92580
ccctgcttat	tggtgaatgg	gccaaaggtc	tgagaccagg	ctgctgctgg	gtaggcctgg	92640
actttgggtc	tcccaccag	acctgggaat	gtatggttgt	ggcttctgcc	acccatccac	92700
ctggctgctc	atggaccagc	cagcctcggt	ggctttgaag	gaacaattcc	acacaaagac	92760
tctggacctc	tccgaaacca	ggcaccgcaa	atggtaagcc	agaggcagcc	acagctgtgg	92820
ctgctgctct	taaagcttgt	aaactgtttc	tgcttaagag	ggactgagtc	ttcagtcatt	92880
gcttttagggg	gagaaagaga	catttggtgtg	tcttttgagt	accgttgtct	gggtcactca	92940
cattttaactt	tccttgaaaa	actagtaaaa	gaaaaatggt	gcctgttaac	caataatcat	93000
agagctcatg	gtacttttag	gaaatcttag	aaagcgtgta	tacaattgtc	tggaattatt	93060
tcagttaagt	gtatttagttg	aggtagctgat	gctgtctcta	cttcagttat	acatgtgggt	93120
ttgaatttttg	aatctattct	ggctcttctt	aagcagaaaa	tttagataaa	atggataacct	93180
cagtggtttt	taatggtggg	tttaatatag	aaggaattta	aattggaagc	taatttagaa	93240
tcagtaagga	gggaccaggg	ctaagaaggc	aatcctggga	ttctggaaga	aaagatgttt	93300
ttagtttttta	tagaaaacac	tactacattc	ttgatctaca	actcaatgtg	gtttaatgaa	93360
tttgaagttg	ccagtaaattg	tacttcctgg	ttgttaaaga	atggtatcaa	aggacagtgc	93420
ttagatccga	ggtgagtgtg	agaggacagg	ggctggggta	tggtatcgca	gaagggaaggc	93480
cacagctgta	cagaattgag	aaagaataga	gacctgcagt	tgaggccagc	aggctcggctg	93540
gactaactct	ccagccacag	taatgaccca	gacagagaaa	gccagactca	taaagcttgc	93600
tgagcaaaat	taagggaaca	agggtgagag	ccctagtaag	cgaggctcta	aaaagcacag	93660
ctgagctgag	atgggtgggc	ttctctgagt	gcttctaaaa	tgcgctaaac	tgaggtgatt	93720
actctgaggt	aagcaaagct	gggcttgagc	caaaatgaag	tagactgtaa	tgaactggaa	93780
tgagctgggc	cgctaagcta	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
ggggtgagct	gggatgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	94200
gagctggggg	gagctgggct	gagctgggct	gagctgggct	gagctggggg	gagctgagct	94260
ggggtgagct	gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	ggggtgagct	94320
gagctggggg	gagctgagct	gagctggggg	gagctgagct	ggggtgagct	gagctgagct	94380
ggggtgagct	gagctgagct	gagctgagct	gagctggggg	gagctgagct	gagctgagct	94440
ggggtgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	gagctggggg	94500
gagctgggct	gagctggggg	gagctgagct	gagctgagct	gagctggggg	gagctgagct	94560
gagctggggg	gagctgagct	ggggtgagct	gggctgagct	gagctgagct	gagctgagct	94620
gagctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	94680
ggggtgagct	gagctgagct	gggctgagct	ggggtgagct	gggctgagct	gggctgagct	94740
gggctgagct	ggggtgagct	gagctggggg	gagctgagct	gagctgggct	gagctgagct	94800
gagctggggg	gagctgagct	gagctggggg	gagctgagct	gagctgagct	ggggtgagct	94860
gagctgagct	gggctgagca	gggctgagct	ggggtgagct	gagctgagct	ggggtgagct	94920
gggctgagct	gggctgagct	gagctgagct	gggctgagct	gggctgagct	gggctgagct	94980
gggctgagct	gggctgagct	ggggtgagct	gagctggggg	gagctggggg	gagctgagct	95040
ggggtgagct	gagctggggg	gagctgagct	gagctggggg	gagctgagct	ggggtgagct	95100
gagctgagct	ggggtgagct	gagctgagct	gggggtgagct	gagctagggt	gaactgggct	95160
gggtgagctg	gagtgagctg	agctgaggtg	aactgggggtg	agccgggatg	ttttgagttg	95220
agctggggta	agatgagctg	aactggggta	aactgggatg	agctgtgggtg	agcggagctg	95280
gattgaactg	agctgtgtga	gctgagctgg	ggtcagctga	gcaagagtga	gtagagctgg	95340
ctggccagaa	ccagaatcaa	ttaggctaag	tgagccagat	tgtgctggga	tcagctgtac	95400
tcagatgagc	tgggatgagg	taggctggga	tgagctgggc	tagctgacat	ggattatgtg	95460
aggctgagct	agcatgggct	ggcctagctg	atgagctaag	cttgaatgag	cggggctgag	95520
ctggactcag	atgtgctaga	ctgagctgta	ctggatgatc	tggtgtaggg	tgatctggac	95580
tcaactgggc	tggctgatgg	gatgcgccag	gttgaactag	gctcagataa	gttaggctga	95640

gtagggcctg	gttgagatgg	ttcgggatga	gctgggaaaa	gatggactcg	gaccatgaac	95700
tgggctgagc	tgggttggga	gaccatgaat	tgagctgaac	tgagtgcagc	tgggataaac	95760
tgggttgagc	taagaataga	ctacctgaat	tgtgccaaac	tcggctggga	tcaattggaa	95820
attatcagga	tttagatgag	ccggactaaa	ctatgctgag	ctggactggt	tggatgtgtt	95880
gaactggcct	gctgctgggc	tggcatagct	gagttgaact	taaatgagga	aggctgagca	95940
aggctagcct	gcttgcatag	agctgaactt	tagcctagcc	tgagctggac	cagcctgagc	96000
tgagtaggtc	taaactgagt	taaaaatcaa	cagggataat	ttaacagcta	atttaacaag	96060
cctgaggtct	gagattgaat	gagcagagct	gggatgaact	gaatgagttt	caccaggcct	96120
ggaccagtta	ggctaggacc	tcgttctata	gaggcagact	gtgtgctaca	gtggagtttc	96180
aagatgattc	catgagtcct	ccccgcccc	aacataaccc	accttcctcc	taccctacac	96240
gcctgtcttg	tgtgtaaate	ccagctttgt	gtgctgatac	agaagcctga	gccccctccc	96300
cacctccacc	tacctattac	tttgggatga	gaatagttct	cccagccagt	gtctcagagg	96360
gaagccaagc	aggacaggcc	caaggctact	tgagaagcca	ggatctaggc	ctctccctga	96420
gaacgggtgt	tcatgcccc	agagttggct	gaagggccag	atccacctac	tctagaggca	96480
tctctccctg	tctgtgaagg	cttccaaagt	cacgttcctg	tggctagaag	gcagctccat	96540
agccctgctg	cagtttcgtc	ctgtatacca	ggttcaccta	ctaccatata	tagccctgcc	96600
tgccttaaga	gtagcaacaa	ggaaatagca	gggtgtagag	ggatctcctg	tctgacagga	96660
ggcaagaaga	cagattctta	cccctccatt	tctcttttat	ccctctctgg	tcctcagaga	96720
gtcagtcctt	cccaaagtgc	ttccccctcg	tctcctgcga	gagccccctg	tctgataaga	96780
atctggtggc	catgggctgc	ctggccccgg	acttcctgcc	cagcaccatt	tccttcacct	96840
ggaactacca	gaacaacact	gaagtcatcc	agggatatcag	aaccttccca	acactgagga	96900
cagggggcaa	gtacctagcc	acctcgcagg	tgttgctgtc	tcccaagagc	atccttgaag	96960
gttcagatga	atacctggta	tgcaaaatcc	actacggagg	caaaaacaaa	gatctgcatg	97020
tgcccatctc	aggtaagaac	caaaccctcc	cagcaggggt	gcccaggccc	aggcatggcc	97080
cagagggagc	agcggggtgg	ggcttagggc	aagctgagct	cacaccttga	cctttcattc	97140
cagctgtcgc	agagatgaac	cccaatgtaa	atgtgttcgt	cccaccacgg	gatggcttct	97200
ctggccctgc	accacgcaag	tctaaactca	tctgcgaggc	cacgaacttc	actccaaaac	97260
cgatcacagt	atcctggcta	aaggatggga	agctcgtgga	atctggcttc	accacagatc	97320
cggtgaccat	cgagaacaaa	ggatccacac	cccaaacctta	caaggtcata	agcacactta	97380
ccatctctga	aatcgactgg	ctgaacctga	atgtgtacac	ctgccgtgtg	gatcacaggg	97440
gtctcacctt	cttgaagaac	gtgtcctcca	catgtgctgc	cagtgaagtgg	cctgggctaa	97500
gccccaatgcc	tagccctccc	agattaggga	agtcctccta	caattatggc	caatgccacc	97560
cagacatggt	catttgctcc	ttgaactttg	gtcctccaga	gtggccaagg	acaagaatga	97620
gcaataggca	gtagaggggt	gagaatcagc	tgggaaggacc	agcatcttcc	cttaagtagg	97680
tttgggggat	ggagactaag	cttttttcca	acttcacaa	tagatatgtc	ataacctgac	97740
acagtgttct	cttgactgca	ggtccctcca	cagacatcct	aaccttcacc	atccccccct	97800
cctttgccga	catcttcttc	agcaagtccg	ctaacctgac	ctgtctggtc	tcaaacctgg	97860
caacctatga	aaccttgaat	atctcctggg	cttctcaaa	tggatgaacca	ctggaaacca	97920
aaattaaaat	catggaaagc	cctcccaatg	gcaccttcag	tgctaagggt	gtggctagt	97980
tttgtgtgga	agactggaat	aacaggaagg	aatttgtgct	tactgtgact	cacagggatc	98040
tgccttcacc	acagaagaaa	ttcatctcaa	aacccaatgg	taggtatccc	cccttccctt	98100
cccctccaat	tgcaggaccc	ttcctgtacc	tcatagggag	ggcaggctct	cttccaccct	98160
atcctcacta	ctgtcttcat	ttacagagg	gcacaaacat	ccacctgctg	tgtacctgct	98220
gccaccagct	cgtgagcaac	tgaacctgag	ggagtcagcc	acagtcacct	gcctggtgaa	98280
gggcttctct	cctgcagaca	tcagtgtgca	gtggcttcag	agagggcaac	tcttgcccca	98340
agagaagtat	gtgaccagt	ccccgatgcc	agagcctggg	gccccaggct	tctactttac	98400
ccacagcatc	ctgactgtga	cagaggagga	atggaaactcc	ggagagacct	atacctgtgt	98460
tgtaggccac	gaggccctgc	cacacctgg	gaccgagagg	accgtggaca	agtccactgg	98520
taaaccacac	ctgtacaatg	tctccctgat	catgtctgac	acaggcggca	cctgctattg	98580
accatgctag	cgctcaacca	ggcaggccct	gggtgtccag	ttgctctgtg	tatgcaaatc	98640
aacctatgtc	gagtgaagat	ttgcatttta	taaaaattag	aaataaaaaa	aatccattca	98700
aacgtcactg	gttttgatta	tacaatgctc	atgcctgctg	agacagttgt	gttttgcttg	98760
ctctgcacac	accctgcata	cttgccctcca	ccctggccct	tcctctacct	tgccagtttc	98820
ctccttgtgt	gtgaactcag	tcaggcttac	aacagacaga	gtatgaacat	gcgattcctc	98880
cagctacttc	tagatatatg	gctgaaagct	tgcatgcctg	caggtcgact	ctagaggatc	98940
cccgggtacc	gagctcgaat	tcgcccctata	gtgagtcgta	ttacaattca	ctggccgtcg	99000
ttttacaacg	tcgtgactgg	gaaaaccctg	gcgttaccca	acttaatcgc	cttgcagcac	99060
atcccccttt	cgccagctgg	cgtaatagcg	aagaggcccc	caccgatcgc	ccttcccaac	99120

agttgcgcag cctgaatggc gaatggcgcc tgatgcggta ttttctcctt acgcatctgt 99180
gcggtatattc acaccgcata tgggtgactc tcagtacaat ctgctctgat gccgcatagt 99240
taagccagcc ccgacacccg ccaacacccg ctgacgcgaa ccccttgcg cgc 99294

<210> 4
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 4
tgcggccgat cttagcc 17

<210> 5
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 5
ttgaccgatt ccttgcg 18

<210> 6
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 6
acgagcgggt tcggcccatt c 21

<210> 7
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 7
ggtggagagg ctattcggc 19

<210> 8
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 8	
gaacacggcg gcatcag	17
<210> 9	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 9	
tgggcacaac agacaatcgg ctg	23
<210> 10	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 10	
tcctccaacg acaggtccc	19
<210> 11	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 11	
gatgaactga cgggcacagg	20
<210> 12	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 12	
tccctggaac tctgccccga caca	24
<210> 13	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 13	
ctctgtggaa aatggtatgg agatt	25

<210> 14
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 14
 ggtaagcata gaaggtgggt atcttt 26

 <210> 15
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 15
 atagaactgt catttgggtcc agcaatccca 30

 <210> 16
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 16
 tggtcacctc caggagcctc 20

 <210> 17
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 17
 gctgcagggt gtatcaggtg c 21

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

 <220>
 <223> synthetic

 <400> 18
 agtctctgct tcccccttgt ggctatgagc 30

 <210> 19
 <211> 28
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> synthetic
 <400> 19
 gatgggaaga gactggtaac atttgtac 28
 <210> 20
 <211> 26
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic
 <400> 20
 ttctctatt tcactctttg aggctc 26
 <210> 21
 <211> 27
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic
 <400> 21
 cctccactgt gttaatggct gccacaa 27
 <210> 22
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic
 <400> 22
 ggtgtgcat gtaccctctg aac 23
 <210> 23
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> synthetic
 <400> 23
 tgtggcagtt taatccagct ttatc 25
 <210> 24
 <211> 32
 <212> DNA
 <213> Artificial Sequence
 <220>

<223> synthetic

 <400> 24
 ctaaaaatgc tacacctggg gcaaaacacc tg 32

 <210> 25
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 25
 gccatgcaag gccaaagc 17

 <210> 26
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 26
 agttcttgag ccttagggtg ctag 24

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

 <220>
 <223> synthetic

 <400> 27
 ccaggaaaat gctgccagag cctg 24

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

 <220>
 <223> synthetic

 <400> 28
 aactacgcac agaagttcca gg 22

 <210> 29
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 29

gctcgtggat ttgtccgc 18

<210> 30
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 30
 cagagtcacg attacc 16

<210> 31
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 31
 tgagcagcac cctcacgtt 19

<210> 32
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 32
 gtggcctcac aggtatagct gtt 23

<210> 33
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 33
 accaaggacg agtatgaa 18

<210> 34
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 34
 caggtgcagc 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> 35
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 35
 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> 36
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 36
 caggtccagc tgggtgcaatc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
 tcctgcaagg ctcttgaggg caccttcagc agctatacta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtat agcaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gaga 294

<210> 37
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 37
 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> 38
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 38
 caggtgcagc 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 atctgatgac acggc 275

<210> 39
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 39
 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> 40
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 40
 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> 41
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 41
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> 42
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<223> synthetic

<400> 42
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> 43
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 43
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
			85						90					95	
Ala Arg															

<210> 44
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 44
 caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
 tcttgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
 cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180
 gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
 atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 45
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <223> synthetic

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> 46
 <211> 233
 <212> DNA
 <213> Homo sapiens

<220>

<223> synthetic

<400> 46

```
agaagcctgg gtcctcggtg aaggtctcct gcaaggcttc tggaggcacc ttcagcagct 60
atgctatcag ctgggtgcga caggcccctg gacaagggct tgagtggatg ggaaggatca 120
tccttatctt tggtagcaga aactacgcac agaagttcca gggcagagtc acgattaccg 180
cggacgaatc cacgagcaca gcctacatgg agctgagcag cctgagatct gag          233
```

<210> 47

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<223> synthetic

<400> 47

```
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> 48

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<223> synthetic

<400> 48

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

<210> 49

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<223> synthetic

<400> 49

```
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> 50
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 50
 caggtgcagc 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> 51
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 51
 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> 52
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 52
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc agtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaggg atcatcccta tccttggtat agcaaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 53
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 53
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> 54
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<223> synthetic

<400> 54
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaagg atcatcccta tccttggtac agcaaaactac 180
gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240
atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gagaga 296

<210> 55
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 55
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> 56
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 56
 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> 57
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <223> synthetic

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> 58
 <211> 296
 <212> DNA

<213> Homo sapiens

<220>

<223> synthetic

<400> 58

```
caggtccagc tgggtgcagtc tggggctgag gtgaagaagc ctgggtcctc agtgaaggtc 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> 59

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<223> synthetic

<400> 59

```
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> 60

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> synthetic

<400> 60

```
gagcccactc ccaggtgcag ctggtgcagt ctggggctga ggtgaagaag cctggggcct 60
cagtgaaggt ctcttgcaag gcttctggat acaccttcac cggctactat atgcactggg 120
tgcgacaggc ccttggaaca gggcttgagt ggatgggacg gatcaaccct aacagtgggtg 180
gcacaaacta tgcacagaag tttcagggca gggtcaccag taccagggac acgtccatca 240
gcacagccta catggagctg agcaggctga gatctgacga cacggtcgtg tattactgtg 300
cgaga      305
```

<210> 61

<211> 98

<212> PRT

<213> Homo sapiens

<220>
<223> synthetic

<400> 61
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> 62
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<223> synthetic

<400> 62
gagcccactc ccaggtgcag ctggtgcagt ctggggctga ggtgaagaag cctggggcct 60
cagtgaaggt ctcttgcaag gcttctggat acaccttcac cggctactat atgcactggg 120
tgcgacaggc ccttggaaca gggcttgagt ggatgggatg gatcaaccct aacagtgggtg 180
gcacaaacta tgcacagaag tttcagggca gggtcaccat gaccaggac acgtccatca 240
gcacagccta catggagctg agcaggctga gatctgacga cacggccgtg tattactgtg 300
cgagaga 307

<210> 63
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 63
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> 64
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> variation
 <222> (124)...(124)
 <223> n=a, g, t, or c

<400> 64
 gagcccaactc ccaggtgcag ctggtgcagt ctggggctga ggtgaagaag cttggggcct 60
 cagtgaaggt ctcttgcaag gcttctggat acaccttcac cggctactat atgcactggg 120
 tgcnacaggc ccctggacaa gggcttgagt ggatgggatg gatcaaccct aacagtgggtg 180
 gcacaaacta tgcacagaag tttcagggca gggtcacat gaccaggac acgtccatca 240
 gcacagccta catggagctg agcaggctga gatctgacga cacggccgtg tattactgtg 300
 cgagaga 307

<210> 65
 <211> 98
 <212> PRT
 <213> Homo sapiens

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

<400> 65
 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> 66
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <223> synthetic

<400> 66
 caggtgcagc tgggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtc 60

tcctgcaagg cttctggata caccttcacc ggctactata tgcactgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggatgg atcaacccta acagtgggtg cacaactat 180
gcacagaagt ttcagggctg ggtcaccatg accagggaca cgtccatcag cacagcctac 240
atggagctga gcaggctgag atctgacgac acggccgtgt attactgtgc gaga 294

<210> 67
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 67
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> 68
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> synthetic

<400> 68
aggatgtggg ttttcacact gtgtctctcg cacagtaata cacgaccgtg tcgtcagatc 60
tcagcctgct cagctccatg taggctgtgc tgatggacgt gtccctggtc atggtgaccc 120
tgccctgaaa cttctgtgca tagtttgtgc caccactgtt agggttgatc cgtcccatcc 180
actcaagccc ttgtccaggg gcctgtcgca cccagtgcac atagtagccg gtgaagggtg 240
atccagaagc cttgcaggag accttcactg agggcccagg cttcttcacc tcagccccag 300
actgcaccag ctgcacctgg gagtggacac ctgtggagac tcgcga 346

<210> 69
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<223> synthetic

<400> 69
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	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> 70
 <211> 150288
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 70

```

gcgcgccctg gcatggagga aatgacaaag attattagat tgaagacttt ctcagaaaat 60
gatattaagt cattaaggaa aaggaacaat ataaacgtgt atttgagaaa ttttaattat 120
ttgagagatt tttcatacaa tatttattct gcaagcaaat ttcagggatt gaattaataa 180
aactgataca gaacttcctc tgtaggtatc tgtgtaaaaca tcaattttctg aatcagtgtt 240
gtaaatattt tggaacacac acacaaatca cattttatct ctacttttat ctctattttt 300
aaaaatgcc aaaaaactca ttttgtgcat gtagcatttt gaattcccac catcaatgca 360
tgatagtctt tggttttcca cattcatatt gccattttatc attatgagaa ttgtgtgttt 420
taaccattct aataggtgag taatggtatc taatttttag ttaaatgcac atttccctaa 480
taaaaattca catttaacaa ttttcatata atttttgcca agatgcctct tctcatattt 540
ggttcatttt taactgcatt gttttctttt gatttagttgt aagtttactt gcatattgat 600
tataaaatca ttttaacaaat taaaagaatt catttaacaa atatgtgact tggaagtatt 660
ttctccaagt ctgcggctgt cttttactcc cttatcagta tgtattgcag aaaagtgtgt 720
gtgtgtgtgt gtgtgtgtgt ttatacaaat ttagatttaa aaaatgtaaa atgttattca 780
tccacagatc atgtcttttg tattatatct gaaatctcat tataaaatac agtaatagca 840
attacttttt ccacgtctct aatctcaggc tacaatcaac tcatgagtgt ttaagcttca 900
cctacttgat tagaggacta tcaacctaac atattttggaa tacttctgta aaaagatgtg 960
ttcctcttcc tattattttct ttatttgatc acttattaat atgtgtattg gtttatggat 1020
gtctatttca tactctgaag aagatccatg ctacattatt cattttattt ttcaaaccac 1080
cacggcttta ttatgtgctg ggagctcatt gagtttgat cctgcctcct tacagctcac 1140
ctcatgcttt tgtttttgaa cacttccttg tttcctgcta ttataataaa ttctaaactc 1200
attttctata ttatcttttt catacataga atcagccatt tttctaaaga ttgcttgctt 1260
ctgatgttaa agaatagtat ttaaaaaatt gtaatactgg gtatgtgcat tgttaatgtg 1320
gtataagtac ttgcaggacc tctcaaccaa ctggcctagt aaactatgta tctaaccctc 1380
tgtaatgtga ttacattaaa aatgagaaca cactggctct tctacceaat tatgctacca 1440
catggatctt tctagccttc cttccttgac tgtctataac ctctcactgc aaaatgagga 1500
accccatcca accatatgcc attttattac ttagctgcac aatttcagga cacatgcata 1560
gcagtatcag aaatgtaaaag ctgtaccctt gtaggaaaca tgtttatcta ctagaataga 1620
gtgcttatgt tcagtttctt tacactttta acttacagag tttcctcatt ttcaaagttc 1680
cttaggtcag caacttcatt ttccactttc ttcagtgagg tcattttcaat gacactgtat 1740
aatgtgattt atttgaaatt ctataaaagc caaaactgta gtcaagtga caacaacata 1800
tagaggatat tcgaggagtt tagagactgg tataaaataa gttaaaaaga cactgtttta 1860
gaagattaaa attattttta gtgatatgca atggttcaga tatgacacaa ttaatttgctc 1920
taagcacata gttttgtgat ggaaaatata aacctaata tatacaatta aaaaaaatt 1980
tagcagttca ttaacccaag gatcaaatgc agattgtata aaattatctc attacttatt 2040
ttgtgagggt ggagatttca tgagatgtat gcaacaaaga atgaggtaat tttcctgatt 2100
tgcataatag atgttgccat tcactaaaga cctttaattt tttaaattgt ttttttttta 2160

```

aatcaat	tttt	ctatgtgacc	cagg	tttttt	tctcttgaca	agcaaataac	ccacaggatt	2220
at	tttctttc	cttggttgag	aaat	at	tttcc	ccaaacttca	gctcagttca	ggcatacact 2280
gtccctgaat	gggcatttac	cctcagatgg	gtacacacac	ctgtcaacat	gtggactctt			2340
ctgtcagaca	aacgcacctt	tactcacgtg	gattcttctc	tcagacaaac	acacatgtcc			2400
ccacgtggac	tctttcctca	gactaccaca	tatgtttctta	catttactct	ttcctcagaa			2460
aacagacatt	tcctcatgtg	gactcttgtc	tcagacaagc	aaacatgtct	ccatgtgaac			2520
tcttcaactca	cataagtaca	catatgtcca	cattgactgt	ttccttacac	aagtacatat			2580
atccaatgtc	gaattgttct	gtggcaaaat	gatctcaaga	taatgataat	cataaacc			2640
ctccctgaca	aggcatagat	ctgtat	tttt	cattgcaa	cctaactttg	ccttattgtc		2700
aagaacagta	gtttgcagct	ctaaatatac	caattagaga	caggtgtcca	ttttctctgg			2760
aaacgtat	ttatgttctt	actggacata	tttgttgata	atgtttgcta	ttatgaagat			2820
acccaacag	tgtccacatt	agagaataaaa	aaatagtaat	gggcagatta	actctgtgca			2880
tccagaccca	gaaatccttt	gaccttgact	tcctgaaat	gtagacacag	aggatggatg			2940
agcaatgctg	agcagtgac	ccatgaccac	aaaaagaaag	acgtggaaat	gtgtcccctc			3000
cacttctcat	gaaaggcagc	tcatcccctg	ttccctcagg	ccctggcgag	gagccacccc			3060
atgtctgtgc	ccttcctcag	tgtccacacc	gtgggggtctg	cattgatctg	gattctcttc			3120
tcatcccctg	caatattagt	gtccttcgta	aatcagggtcc	agctgtggct	tctcctcacg			3180
gggctgttct	cagtctgttt	gctgtgttca	cggaagtct	gtgtgaagtt	tactgatgga			3240
gtcagagggg	gaaaaaattt	acagcccagt	ggtagagctc	tcctgcaaag	cctctggttt			3300
cacctttact	ggttacagca	tgagcttgg	ccagcacgct	tcacaacagg	gatagggtgtg			3360
ggtgccaaaca	gtgagtgatc	aagtatgaat	tctcagggtt	actttccatg	agtacaaata			3420
aattaacaat	ctcaagcaac	acccttttaa	gtgcagtc	ccttacaatg	accaatctga			3480
aagccaagga	caaggtcatg	tattactgtg	agtgcacacag	tgagggaac	cctgtgtgag			3540
cccagacaca	aagctcaccg	caggagaca	ggaggggact	atgtggtaga	tgctgctcag			3600
aaccaccagg	gggcatcagg	accatcagg	aggggtgcaca	gaaccaccag	gaggggctca			3660
ggacaccagg	gggcgctcag	aaccaccagg	gggccctcag	gacaccagag	ggtgctcaga			3720
accaccagga	ggcgctcagg	acaccagg	gcgctcagaa	cactaggagg	tgctatgaat			3780
cactagggg	cgctcaggac	acaagggagc	actcagaacc	accagggata	gctcaggata			3840
ccagggggca	ctcggaaccg	ccagggggcg	ctcaggacac	tagggggcg	tcagaaccac			3900
cagggggcac	tcaggaccat	cagggaggg	gcacagaacc	accaggagg	gctcaggaca			3960
ccagggggcg	ctcaggacca	caagggggcc	ctcaggacac	cagggggcac	tcggaaccac			4020
cagggggcac	tcagaaccat	cagggaggg	gcacagaacc	accaggagg	gctcaggacc			4080
accaggaggt	gctcaggaca	ccagggggcg	ctcagaacac	taggaggtgc	tatgaatcac			4140
tagggggcg	tcaggacaca	agggagcact	cagaaccacc	agggatagct	caggacacca			4200
gggggcactc	ggaaccgcca	gggggcgctc	aggacactag	ggggcgctca	gaaccaccag			4260
gaggcactca	ggaccatcag	ggagggtgca	cagaaccacc	aggaggtgct	caggacacca			4320
gggggcgctc	agaacactag	gaggtgctat	gaatcactag	ggggcgctca	ggacacaagg			4380
gagcactcag	aaccaccagg	gatagetcag	gataccagg	ggcactcgga	accgccagg			4440
ggcgctcagg	acactaggg	gcgctcagaa	ccaccagg	gcactcagga	ccatcaggga			4500
gggtgcacag	aaccaccagg	aggggctcag	gacaccagg	ggcgctcagg	accacaagg			4560
ggccctcagg	acaccagg	gcactcgga	ccaccagg	gcactcagaa	ccatcaggga			4620
gggtgcacag	aaccaccagg	aggggctcag	gaccaccagg	aggtgctcag	gacaccagg			4680
ggcgctcaga	acactaggag	gtgctatgaa	tcactaggg	gcgctcagga	cacaaggag			4740
cactcagaac	caccagggat	agctcaggac	accaggggc	actcggaacc	gccaggggc			4800
actcaggaca	ctagggggca	ctcagaaccg	ccaagggcg	ctcagaagaa	gcagggggtg			4860
ctcagaacac	cagaggggtg	tcagaagcac	cagggggcg	tcaggacacc	aaagggcact			4920
catgagactg	tggcaaggg	gtgctgagaa	ccacaggatg	tgaccaagac	accaagggc			4980
actcagaact	gccaggggg	gctcaggaca	ccagaggatt	ctcagaacca	ccaggggatg			5040
ctcaggaaac	tagcggggtg	tcagaaccac	cggaggacac	tcagaaaacc	aggggatgct			5100
caggaaccac	cagggggcg	ccacgacacc	agagggcagt	cagaaccacc	ggggcatgct			5160
cagaaccacc	agggggcgct	caggacacca	ggggatgctc	aggacactag	gggcgctcag			5220
gaaccaccag	gggacgctca	ggacactagt	aggggtctcag	aaccaccagg	ggatgctcag			5280
gacactaggg	ggcgctcagg	aaccaccagg	ggtcacc	gacaccagg	gtcgctcagg			5340
aaaccagagg	gtgccagga	aaccaggga	ggttcaggaa	ccaccagg	gcactgagga			5400
caccaaggg	tgctcagaac	caccagg	cgctcaggaa	ccaccagg	gcgctcagga			5460
cactagtagg	cactgaggaa	ccaccagg	gcgctcagga	cactagtagg	cactgaggaa			5520
ccaccagg	gggctcagga	cactagtagg	cactgaggaa	ccaccagg	gcgctcagga			5580
cactagtagg	cactgaggaa	ccaccagg	gggctcagga	caccagaggt	cgctcagaaa			5640

accagggggt	gctcagaacc	accagggggc	actcaggaac	caccagtggg	tgttcaggac	5700
agcaagaatg	gctcaggaca	ccaggggagca	ctcaggacct	ccaaggggct	ctttggaggc	5760
agctccatat	caggtacctg	gggaggatga	ggtttccttt	tccaccttgg	tgattcctga	5820
cctgggtcaag	caaaagtctt	ccccaggatc	tcttacgatg	tcttccttgt	aactcatggg	5880
ttctttcacc	tataaaacat	taacttagaa	cagggggttca	attcaacttt	taactctgcc	5940
tattttcaga	gttatactag	caatgatata	tctcagtata	ttttttttaa	ttgtgtatat	6000
tcaatccaaa	gtctggctct	atgcacaatt	tttttgtttt	ctgtgctgtc	agacacacta	6060
ttgtaaatac	ttttctaaca	actcagcata	tgcatggggg	ccagtttctt	ttcctttcat	6120
cggctgtttg	tgcatgatga	acaccacttt	aagggctcct	gtcctccact	ttggcccctg	6180
gtgttctgct	tctcaaactt	tctccatctt	ctctttttct	gtcaaaatat	tttatcttcc	6240
tcagtctcca	tgcatgaaac	aggaagtcc	tttacttctt	gtcctccatg	tctggtaaat	6300
cagttcactt	cttttcatga	tcaactgaag	caaccaagtt	taggagagta	acagttctcc	6360
ttagaataca	ctctacctgc	agaccctctg	ccctcatcac	acttttctag	ggctcctgcag	6420
acataacccc	cacccattcc	tctttttccc	taagtaccac	agactagggt	ctgcaactta	6480
tgctaccctc	tgtgtgctca	gcccaggggc	tcagtagtgc	tttcatgaag	tccaaatccc	6540
taatgtgttt	gccactctc	agaccaccct	ccagcaagct	gccattgtga	ttgaatcctg	6600
caaagcatgg	gctgctttca	gtttcctatt	gctggatgtt	ctttattata	aaggcatatt	6660
ggcaaataac	gactagagtt	tgtattgaaa	attaacgcca	aaaagttttt	taaaaagttt	6720
ttcaaataga	aaagttctat	cctgcctagt	ttaaaaaaat	acaatgttac	tttaatcaat	6780
gattttaataa	aaatttaagt	gatgtttgtc	ttattagtta	ttcaatttat	taataactga	6840
ctgatattta	aaaagtaaat	actggctggg	cgcagtgggt	cacgcctgta	atctcagcac	6900
tttggggagg	tgaggtgggt	ggatcacctg	aggctcggga	ttcgagacca	gcctgaccaa	6960
catggagaaa	ccccctctct	actaaaaata	caaaattagc	tgggcgtggc	ggggaagctg	7020
aggcaggaga	atcgcttgaa	cctgggaggc	ggaggttgcg	gtgagccgag	aacacgccat	7080
tgcaactccag	cctgggcgac	aagacccaaa	ctctgtctca	aaaaaaaaaa	aaagtaataa	7140
ccattgtaca	cttaagtaat	atatttggca	agaatggcat	ttacattcat	tcaaaaaatga	7200
aactgcaaat	acgagttaca	ttcaattaaa	taattaaaaa	aatatagaaa	aaaatgggtg	7260
tgttggtttt	gtgtttaata	tacattcatt	tttgcatgga	cgggtatatg	tgctattgct	7320
gggctgttgt	gtatgtgtgc	gtgtgtgtgt	gtgtctgtgt	gtacaactat	gaagtttaaa	7380
atatattatt	aaattacgta	gttatattaa	tccaaattta	tcatgttaaa	atattaggaa	7440
aaaaacacca	gtagagaaat	tacagagaac	atcagcaatg	cctacagcat	ttacaagagt	7500
cacattaata	acaaacaaac	tagttcaaat	gttttagatat	gacacatgca	gtagaaaacg	7560
ttcacatggt	attaacacaa	aaatggtgca	caactgagga	aattataata	cgttcatgat	7620
attggctaca	taaatgctta	tgatagtaat	gcttttcatc	catcaaatgc	ttatgataat	7680
gcttttcatc	catcatatta	tagatgataa	aacaactcta	taaacacttc	catcactagc	7740
gttttaatat	agatgcctca	catctttttc	tgaaataaat	aaacatctgt	ccaccacttc	7800
gatgatcatt	tcaggattat	cctctgaaat	aattatccat	aataatttta	gtaacaatat	7860
tattttcaga	agcctatttt	ataaggctct	tgaactatta	tttttatgat	tgttacttta	7920
tattttacac	actttttatt	tggaaataat	atagggttat	agaacaattg	taaggaaaat	7980
acagtgtgtt	cacatccatc	tccaagtttt	cactaaagtt	aatatgtcaa	aaaaaacatg	8040
ggacatggga	ctaatatatt	tacattgata	agtttctgtt	tattcagctc	tgggatttat	8100
ttgaattttg	ccaattttta	acagtttctt	tttttccttt	ttcttttctt	tttgagataa	8160
ggtgtcactt	tcttattgct	ttttgtttgt	ttctttgttc	aaccacgcta	accacatcaa	8220
attcagtcac	catgttctct	tcatatcttc	tggttaatca	cagtttggtg	tctgtctgtc	8280
ttcccatgga	atattctata	aatgaaacta	gtcaaataag	ttgattctgg	tcacttatat	8340
atttacctat	tttatcacgt	ttgttttgct	aatcacagta	agtgtcgaat	tcgctatctg	8400
ttatagatgt	tagcctattt	tctatcccag	atccattggg	taaatctttg	gtgatgcctt	8460
ttagaaaact	gatcccttta	ccctatgtaa	tatgcccctt	gattcctgaa	agtcttatgt	8520
ctaccttgct	tgaatttaac	atagctaagc	acgctttctt	ttcgttcata	ttttcatggg	8580
ccatgttttc	ctgtatttaa	cttttctatg	tagagcaaat	ttctgtacag	agctagtagt	8640
tgggtcttgc	tttttaaatac	aactataata	attctatttt	aaaactggta	ttactatttt	8700
tctgttaaat	tctgttttaa	tttggcattt	tatgatcatg	tttatttctc	tattaaactta	8760
ttgttttagt	catcttttat	gaatattgta	ttggccctaa	gatatacaat	aagaattgtg	8820
tataatcaga	ttctaattca	aataacgtaa	aacctcttca	taggttgtag	agctattata	8880
acttattctt	ctaaacactc	tttctcatcc	gttgtcttag	tttattctca	gtttgcactt	8940
atatgtgcta	taaaatataa	tatgtgcatt	tttatcatta	catagacata	tattagaaca	9000
attaaaaata	taaaaactac	atttcaactt	cattttttca	ttcttgacca	catgttttat	9060
ttggatagat	tcatgtttcg	gatgtatatc	atatggctac	tcacctgggc	agaaaaattg	9120

ccaaagcacc	tactgaagga	tgaatgcact	agcaataaat	tttctcagaa	tcgattttgtc	9180
ttacagggta	ttcatttgac	tttcgcttta	aatgaaat	ttaatatata	tagaattcca	9240
gtttgacttt	aatttgtaat	ttattttcct	gtactcatgt	attcattatt	ttcttcctga	9300
agatggtcac	acattccatt	ctgctgggcc	ttcattatag	atatttgtgt	gtatctattc	9360
agggctatat	ttgcaattta	tggatgccac	aattatcaga	gttgaagtca	gcttctgctg	9420
tccacagaga	tttcaagttc	ctcccatgat	acttgctttt	gtgtccctgt	ttgatcctgg	9480
gtctttatat	ttagttttcc	ccagggaggc	tgtctgtttc	agctgtggaa	agtgcaccct	9540
actgacagtt	taaattgatg	actgtgtggt	gaaggagggt	ggacaaagcg	ggacttcctc	9600
caaccttctg	actgagtctc	cttcttatgc	aggagtagta	agcatagttc	tggggagtg	9660
ccttccacat	tgtcctgtcc	ttaactcttt	ccccagggct	ggaacgtctt	ttcccagaca	9720
caactgtttt	tcaccagtgt	ccccagcttt	ttaccacta	tccttaccct	aaagagtaag	9780
gattttctttc	ctgaggaagg	agatgggagg	tgttttctgga	tcaagtttcc	ttgggtgtcgt	9840
ctgttttctt	ttgtttctgt	tgacttcacc	acagctcata	tgacacatgc	tttgggtggat	9900
ttcccctgga	ggtagtggag	gtgcattcag	gcattccaca	ggagctgctg	ttcttttccc	9960
cagtcaacac	cacaagacac	cagatgagga	agttgtccgt	ggatttttca	agttctctag	10020
gaaaagcttg	caagcactag	gccaatctaa	caccattagt	acatgcatac	taaaaaaaaa	10080
aaagtcatta	agtattttcta	ggttagtctg	tttctatctc	aaatgccatc	cagtggcacc	10140
tgccctacgt	acactagcag	gtaggtcctg	gttctctctg	caggctccta	tcttctcaga	10200
tttcagtttt	cttgtttgct	tggtgaaatc	aactcagata	tgttgaatgt	tttttctctc	10260
ttttattttgt	agctgttcag	cttcgttggt	aatgagggtca	gaataaaaatc	acagttttct	10320
cattttttt	acattcccac	actgaatagc	tgctttccgt	ataaaaagcca	gaaactgaga	10380
gaacacattg	aatatccatt	acagggtgaat	gttaaacaat	ttgagatatg	tttgtgtact	10440
ggaataaaaat	gctgcattac	aatcaagtca	tcactcattc	acataaaaaca	tggccacatt	10500
ctcaataaat	gtagggacct	gagtgccct	ccatctactg	gcctctcctg	gggccctagc	10560
ctggccacac	cttcttgacg	ggcagtcctg	gacgccctgg	gatcccgac	caaaaatttct	10620
gccctggcag	aacatgcctg	actggtggag	agctccaatc	gggcagccct	catgtgcaca	10680
caccagctta	cacacttcc	ccgaatactg	taggttcacc	caggcccacg	taacttccca	10740
catcactttg	cagtcacatg	tctgtatagg	tgggttttgc	ttttcttgct	ccaccattgc	10800
gtggagtgca	gtcccctccc	cccaccccaa	ccaccatggc	agaggaagct	ttgggtgggga	10860
aaaagccagg	gccgtcctg	tcagcgtccc	gcacttgccg	taattctgca	cagagaatag	10920
cagatcatct	cacacattca	gaaatcactc	ctgcttggtg	ggcatgaata	cggcaccctg	10980
gcctgtgccc	acaagtgtcc	catccctgag	ccaacacctc	ctccagtgtg	accttgaaca	11040
cagtcacca	cagggcccca	cagacgcaat	gcctctgcca	ctgtggcgaa	cacctgcagg	11100
gaggcaggca	cccagacacc	cactagcact	ctgccacagc	tgccacacct	ccaacagccc	11160
aggacagtgg	attcctaacc	ttaaggagcc	ggagaaccaa	gtcagggact	agtataactt	11220
ccccagagt	cagagcacac	agtctaggtg	ttgggagctg	agcactggcc	acctaaattt	11280
ttccagaaat	gaagccagtt	ggctgaatcc	accttatacc	acaatcaaac	cctcaaggtc	11340
atccaatagg	gtaaaagaaa	ataaaaatgt	atccaaagg	cagcaacttc	aaagattgaa	11400
ggtggataag	cccacaaaga	tgagaaagaa	ccagtgcaaa	agtcctgaaa	acaaaaagg	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	atccaaagg	aatgaaatca	acatgtcaaa	11700
gagatatctg	cactccatgt	tcacgttcat	tgcagcatta	tttaaaatag	taaagatatg	11760
gaaacatcct	aaatttccat	gaatggatga	atgaataaag	aaaatgcata	cagacacaac	11820
agagtaatgt	tcactcttaa	ataagaagga	aaccctgcct	ctgtgacagc	atgcatgaat	11880
ctagaggacc	ttatgccaa	tgaaacaagc	caggaacaga	ggaagagtca	ttcatgattt	11940
cactgtatat	attaaagcag	tagacttgca	gaggtagagt	agaatgttgg	ttaccagggc	12000
ctagaggggt	ggactgggaa	agggagatgt	gggttaaagt	gcacaacggt	ccagttagac	12060
cggaggtata	agttatgcct	ttctaattgca	cagcatgtca	actatagctg	ataaggtagt	12120
atatatttca	aaattactaa	aaaaataaac	attagaattt	cccactaag	aatgataaaa	12180
tttgtgaggt	gatgaatata	agcggcttga	gttacccagt	tcataatgta	tacatgtatc	12240
ataactaac	aacatatgtc	ataaatatat	gcaaaaatta	tttgtaattt	ataataaaat	12300
aagtttccat	tttaaatat	tacattaaga	aaatgaacag	aaactttcag	atttcaagaa	12360
tattttatat	atatatatat	atatcttaaa	acaaacttgc	aacagaatat	agaaataagt	12420
tttacgactc	aatggaaaag	aacagaattc	aataaaaact	ggctaaaaga	aacaacagct	12480
gcatcattat	agaaaattct	ggaataatca	gccatataaa	gattctcact	ctcttagaac	12540
tagaattccg	taggacttgt	aattcctcct	gacctgggtg	ggaggcaaaa	ggaagaacag	12600

ctaattggtga	ttcagtgagt	tttatacctg	tgtgtacttc	tgtgctcact	cagcagaaaag	12660
aaaagaagaa	aagaaagaaa	gagagaaaaga	aagaaacaga	aagaaagaaa	gaaagaagaa	12720
agaaagaaaag	aaagaaagaa	agaaagaaaag	aaagaaagaa	agaaagagaa	agaaagaaga	12780
aggaagaagg	aaggaaagaa	aagaaagaaa	gaaagagaga	gagggagaga	gggaaggaag	12840
ggacagcaga	agtcattgtg	gtgtgtgtga	aagcacaatc	cttgggctcc	cccacatcca	12900
tctctactcc	agtcccatca	atgtccagca	aatacatttt	ctaagatgaa	gtatttttaa	12960
ctttctaaat	cctgctagaa	aaccctcag	ctctttcagt	tttgctctat	cacttgaatt	13020
attgaattaa	atctagtttt	tgtgggccta	tcaataccat	aagccaaaat	aacacatgaa	13080
gaaattgcac	tgagacacat	gaaaaccttc	tgaaagctcc	ataatttcag	atctgcattc	13140
ttattttccc	gaacctaaat	cactgaatag	agactcagaa	cgagttgatc	ttgttcctga	13200
acgtgcacag	agccaaggac	atcctgtctg	tctggaacag	ctcaggtttg	ttcctgtttc	13260
tcctagagga	tataaaatct	tgagttaggg	aaaaacagcc	aggacaccc	tgggctttgt	13320
tcttctctcc	cctggaggca	ggatgtcctt	cagagctttg	tcccagtggt	taacacagct	13380
gctgaggtgt	acaaccacg	tggcctcggt	ttggctcact	ttgcatggtg	agcctgcttt	13440
gcaccatggc	ctacaatatg	cgtgtgtaac	taatctgtct	ccatcttcaa	aatgacatta	13500
ttccacatca	aatctagtgc	aggtgcctca	cacagaacat	tctcaattac	ctccatcatt	13560
cataaaattg	atgccattaa	tttcaagtat	acatacatca	gactcattta	acgtattgtt	13620
atttctcattg	tttgaaacat	aactttttaga	tcaaataatt	aacaataata	aaaatataaa	13680
ttttgaagtc	aggtaatgtg	atttctctag	ttgtgttctc	tttgctcaga	atggcttggg	13740
ctgttctgca	tcttttgttt	ttccacatat	attttaggat	tttttaaaaa	tttctgtgaa	13800
gaatatcatt	gttgttttca	tagggattgt	actgagctctg	tagattgctt	taagtattat	13860
ggacatttta	acaatattga	atctttgaat	tcataaacat	ggaatattgt	tccatcttgt	13920
gtcctcttta	tttcttcaat	gttttataga	tttattgtag	ttttttttta	ctttgttcat	13980
tacacattgt	atgcctgtac	caaaacatca	catataccca	acaaatagaa	atatatatatac	14040
tattatgtgc	ttataacaat	taaaaattat	gtatgtatat	tgaatctatt	caaaatcaga	14100
aactattttct	ttttactggt	tgtaaggctct	tgtctctagg	ctataaaaaag	aatttgtaaa	14160
actcaacaga	aagcataata	taaacagaat	tctaaaatga	gtgaaaatct	gaacaaacac	14220
ctcaccaaga	aaaaatgtta	tctgaaaata	agaatatata	aaattgttca	gtatcaattg	14280
tcataaaactg	atactcatat	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	caggtttgtg	ataggcaggg	cttttgggga	aagacaagag	actgacttgg	14580
caaagctcag	gggatatttt	tagggtaaaa	caaactgtgt	gccattgtga	tatgcctaata	14640
ttcttattat	atttgttcag	agttaatagt	gtacgtttca	accaactcgg	tgattttata	14700
ttttctattt	gctgatagag	acatgttcat	ttttgtcaat	cactttgcta	aatgtggctg	14760
agaggctgtt	gaaatgaacg	ctgagcaaat	gtattcacca	aatctacaag	agcaaatatt	14820
ttgccaattg	ctgattgagt	gggtctcata	atgtatttga	gattgggtgt	ggggatgtta	14880
ttgtgtgaga	tcatgatgtt	tagaccatga	cactctctgg	tgagggatca	ctcattcatt	14940
gcacatttaa	tgaaaggcag	gtaggaggag	cagaagggga	tgagtcacac	tcctgaccac	15000
agccacaggt	tattgaaggc	agaactgatg	taatccccta	aggtagacca	ctgcccctcc	15060
aaggtgacct	tatcctagag	ttgacacaca	tcctgggaca	ccagagacaa	ctccttctct	15120
cccctttctc	tgcacttcag	ctggaagcaa	ctgtctcacc	gagcaccttg	tgttaaggaa	15180
tgagagttcc	tgttccagggt	gtgagggcc	aggtgcatcc	acttgatcca	gcacaagagc	15240
aagaacagcc	ttccagaaaa	tgacatcgcc	tgagggtataa	ccagctctca	cctgctgcag	15300
cttcctctga	ataaaaagga	aactgttgaa	acttctctcat	aagtgtcctg	ctgtgccatt	15360
ccctttgtcc	ccacatgttc	agttgtgtct	gtccagatgt	cacttttgtg	tagggagatt	15420
agggttctgc	ttccagtacc	agaacacaca	tgacctctta	ggggacttca	gggttttgtc	15480
gacatatgtg	atgatcttaa	aagtcattag	ctccattttct	acatcaaaaa	acatctgaac	15540
caaaggagca	cataggctca	ggcctgtaat	cccagcactt	tgggaagcca	aggcagagga	15600
atcacttgag	gtcaggaatt	tgagaccagc	ctggtgaaca	tgggtgaaacc	ccgtctctac	15660
taaaaaatat	atacaaaaat	tagccaggcg	tgggtggcact	agcctgtaat	cccagctact	15720
tgaaaggctg	aggcaggaga	attgcttgaa	cccaggaggt	ggagattgaa	gtgagctgag	15780
atcgaccac	ttcactccag	cctgggagcc	agagtgaagc	tccatctaaa	aaaaaaaaaa	15840
atattatata	atatatatat	atatatatat	ataataataa	tatattatat	atcatatata	15900
tattttatat	aatatatatg	tatattttta	tatatattac	atacatatca	atatatgata	15960
tataatatgt	atatataata	tataatatgt	atattcatat	attatataat	atgtatatgt	16020
atatatatata	cacatatata	ttttgatata	tatatatctc	caaaccatct	aaatatcaag	16080

tatttttttaa	tccatctaag	agctgaaatt	gctgaaaaaa	ctactccctc	caaaagctgt	16140
agagacaggc	acatccacag	tcacagcaga	gacttgctga	cttggaagag	aagctcctgg	16200
agacacattg	gtgagaacat	ttacctgggtg	attatgctga	atgtctggag	gacaaatgtg	16260
gactaggggg	agggtgagca	ctcctagagg	ctgtacaccc	cacacttggtg	tggacttgcc	16320
ctccagggcc	ttcaggttct	cgtggaagca	attaaaaatag	attccctata	gccatgaact	16380
ggggaggagt	aatcacggag	aaaagatgca	caaaaagact	tttctagaaa	gctcatccaa	16440
gggaagggtat	tctccaaaat	cttagtttat	gtgggggaag	gaaatacttc	caaattacag	16500
acccctcctc	ctcagccttc	ctctatcacg	caaatgataa	aattagccaa	gaggagtcag	16560
attcaaggcg	gtagccctgg	gtgcagcatc	tgcagaaggg	aggaaagaga	gaaaatcagc	16620
tgtatcactg	gagattcctt	gtgaagggtca	ctgctcagga	gaagagggca	accaaaccag	16680
ggagagtcaa	ctgtaagaac	ataccatgct	cccctgcccc	acacattacc	tcctcaacag	16740
catcattaat	atggattaaa	gagggcagtg	tgattgcttt	agatctgttt	gagaaagaaa	16800
gtcacatact	gaggcctagg	gtcagggctg	gcggcacttc	ccgtgagtaa	gatactacga	16860
agaaggaaaa	attaggggtc	cataactgtg	aaaatcagcc	acagtgtgtg	tgagaatgtt	16920
tgtgtttgtg	tttctgtgtg	tttgagttag	agttatttga	acagcggacg	tggagtgagc	16980
tttaatccac	atccatctgc	agcttcaggt	attctcagat	gcagtattca	tctgcaagag	17040
ccgaaatgag	aaaagagcca	cctccaaccc	ccccagagtt	ttagcctccc	tttgtttcca	17100
gtgatccagt	gcctctagac	ctccaggaag	tggactccct	ggtgatttta	gcgattcttc	17160
tcttgaggcc	accctgaaga	ggacattggg	tttccaaagg	cccattcact	atttcaagaa	17220
gtggtgccat	cagctcatgt	tgtcactgaa	ggagcattct	gagccagggc	acagtcactt	17280
cctagtgagc	tacagaggct	gagagaaaaa	tgctctgtga	gacccaatgg	gaagctccct	17340
gcagtgcaag	gtctgggtgg	cagggagcgc	tagggcctcg	cccagcacag	gctgcagccc	17400
tggagcaggt	gcaagggagg	ctggggaggg	gttccctcca	gggtctgatg	tcttcccttt	17460
ctcggacaaa	catgctttta	taagttaaac	aagacttttag	taaagactat	tgatgtgtct	17520
ttgtgtcttt	cagtatacag	ttctatttgt	aggatttatc	taacctaaca	agtcaatgag	17580
aatcacatgt	aaaaggagaa	atttctagga	ttttcagata	tcttaatagg	taggagatgg	17640
agaaaaggga	tggttttatt	aattcagtg	ttgccaatct	taacagagac	agtagtaaga	17700
catgcagaaa	gcaaagccca	gaaaagtatg	aagggtgtcaa	agtgccattt	aagtatgggt	17760
tcacttgagg	gacctgtttc	tgcgggaa	tgttttcagc	agacaatcta	tttttagcaga	17820
gttctgggca	tacaagggga	cacacatcat	taaacaagga	ttgggacagg	gacttcagcg	17880
tcccactgtt	gcattggcca	taaattatgt	gtgttctctt	tctcatcttg	gatcaagtct	17940
agagctatga	aatagtatcc	ctcatgaata	tgcaaataac	ctgagattta	ctgaagtaaa	18000
tacagatctg	tcctgtgccc	tgagagcatc	acccagcaac	cacatctgtc	ctctagagaa	18060
tcccctgaga	gctccgttcc	tcacatgga	ctggacctgg	aggatcctct	tcttggtggc	18120
agcagccaca	ggtaagaggc	tccctagtcc	cagtgtatgag	aaagagattg	agtccagtcc	18180
agggagatct	catccacttc	tgtgttctct	ccacaggagc	ccactcccag	gtgcagctgg	18240
tgcagtctgg	ggctgagggtg	aagaagcctg	gggcctcagt	gaaggctctc	tgcaaggcct	18300
ctggatacac	cttcaccggc	tactatatgc	actgggtg	acaggcccct	ggacaagggc	18360
ttgagtggat	gggatggatc	aaccctaaca	gtggtggcac	aaactatgca	cagaagtctc	18420
agggcagggt	caccatgacc	agggacacgt	ccatcagcac	agcctacatg	gagctgagca	18480
ggctgagatc	tgacgacacg	gccgtgtatt	actgtg	agacacagtg	tgaaaacca	18540
catcctgagg	gtgtcagaaa	cccaagggag	gaggcagctg	tgctggggct	gagaaatgaa	18600
agggattatt	atttttaatg	ttgtttacag	tatgtcatta	ataaattgaa	aaaaagtaac	18660
aatagaagta	tatactctaa	ttatatggga	actttgtttt	ttcagttttt	tcattttttt	18720
tttttttttt	ggtttgtttg	tgacagagtc	tcactctgcc	acccaggctg	gagtgtaacg	18780
gcacaatctc	agctcactac	aacctccacc	tcccagggtc	aagcaattct	cctgcctcgg	18840
cctccagagt	agttgggatt	acaggcaccc	gccaccatgc	ccggtgaatt	tttgtatttt	18900
tagtagagac	gggttttcac	catgttagct	aggctgggtc	caaactgctg	atctcaggtg	18960
atctaccctc	ctcagcctcc	caaagtcctg	ggattacagg	cgtgagccac	tgcgcctggc	19020
ccaattatat	gggaattgtt	tatataatta	tcacctata	agcaaaattc	atggaggagg	19080
aaaagctcta	ctgaagaaag	ctgataccgg	cattcccatg	aaagtatctg	tgtagaagta	19140
agtattaaaa	tcagttgaat	aggcaaggca	tgggtggctca	cgcctataat	cccagcactt	19200
tgggagaccg	aggcagggtg	atcacaagg	aaggagttca	agatcagcct	gcccagatg	19260
gtgaaacccc	ttctctacta	aaaatacaaa	gaattagctg	ggcgtgggtg	tggtgctg	19320
taatcgcagc	tattcgggag	gctgaggcag	agaattgctt	gaacctggga	ggtgaagggt	19380
gcagtgagcc	gagatcacgc	cactgcactc	cagcctgggc	gacagagtga	aactccatct	19440
caaaacaaaa	caaaacaaaa	caaaacaaaa	aaacagttga	ataaagtacc	ttagagtc	19500
ctgttcaatt	aacatgttta	actccaaaga	aatactgaaa	atattttcca	aaaaggaagt	19560

gccatttttac	gttcctacca	acagtgaata	agatttttctt	ttctggagcc	ttgtcagtat	19620
tcactaatgc	tttgctgtgc	agccgttgta	atattatagt	aatgagtag	cagtatttaa	19680
tgggtgtttt	aaatatacat	attcttaata	caaagtcttg	atgaacactt	ttttatacat	19740
tgttttatga	ggtgtgtgtt	cagatctatg	tatgccagaa	atgcctggca	gcggttaattt	19800
aagcacactg	tgagaatgac	cctatagttt	atgaagaatg	tatgttcaga	gctctgagct	19860
aagaaatcca	ggagctgtca	acccagaagt	ttattccttg	tctgtgaagg	acatctgaat	19920
ccctggccta	tcccttgga	cacaggatgt	ccagggtgatt	gatgctcttt	gttaaatctg	19980
gaggttgcta	ggtagaggg	gctaagtga	aatcataata	taaactacac	gtgttttaca	20040
aatggtagtg	gttttcctgt	ccaacacact	tttcctgggc	cacattgtat	gcaagtccct	20100
aatacaccc	aggtcttggt	catgggctcc	aggtctcctc	ttcagccttt	tggacatgg	20160
gccatgccta	ttacagtcaa	taggggtcta	gcatgacaac	tggtaggccc	agaacaaggt	20220
caaagaaaat	cctgcaagct	cttagacaac	agtgtcaagg	aaggggagac	ctgtggggaa	20280
atcccaggca	ggccatgcac	atctctgtgg	gccaacagc	tgcaatcctt	gatggatggg	20340
gcccgcctg	tgtgtacggg	gatgcctcca	aaatgccaaa	agttctggag	gacctgttgc	20400
ctgaggtgga	tgtgacaatg	tgacaaaagt	acagtcagat	tcctgagctg	tggcagctgt	20460
tggccactcc	tgactgcaact	ctgagcaacc	actgaggcag	agctcattgc	acaggctagg	20520
gtgtgtcagc	cacgagaaca	gttgtaacta	taatgagatg	ccgcctgtag	ggataggata	20580
gcaaattgga	gaccattggt	tatttggtag	gccatttaaa	gtgttgctga	ctgccacacc	20640
aatgcattag	gactactatg	actacgtcat	cctgggagcc	taagtccctg	cgtccgatgt	20700
agagctccag	tgggaaggag	atgaaggtta	ggatgagtc	ataaagggtc	ttgctctgca	20760
gcccctgctt	tgctgtctca	cttggtgaac	agagaatggg	aggtcaatgc	ggacaaagtc	20820
caggggtccag	gcttatcagt	caaatacttg	gtgtcatctg	gttacataag	actatagtta	20880
ttccatattt	catcatagat	aagataagat	gcagggtctac	tcagtgtcca	ccacacccaa	20940
gcagttggaa	acctcccaag	gcctcctggg	acattggcga	tcctttattc	cccatctcgg	21000
caaaccctt	gggcccccat	ggcacttaga	caagaagggtg	ccccactgcg	actgttccaa	21060
aagggaggat	gagggctctg	aagaagctga	agtcacagtg	aatgaatac	aaaccttggg	21120
agttctagtg	cagggacagc	cctgtgaatt	ggatgtagtc	agttaccctg	aggggttag	21180
gtggggactg	gtttaaaggc	aaggacataa	gtgtgtgtcc	ctaagaccct	ggtctcaaag	21240
acagaaggaa	gctgaagtga	gatatactgt	ttaggagtag	caactgcact	acatgtcatg	21300
ccttacgagt	gtaggatgtg	acaaagaggg	ccactccaca	tcggaacaa	ccttttagcag	21360
gctggctaaa	ggatgccttc	cagacacaaa	agccttgga	tgccaggaca	cagtctgtag	21420
ccaaatggt	cttggtgggtg	tcaccaccaa	cataaaagt	ggccaactgt	gccagcagaa	21480
gttagcccca	cagaactttc	ccccacctaa	gagaaggcag	tgaccacaa	tgcggaattc	21540
caccactgtg	gaattggggg	agcttagaat	tggattcaga	cacaagggga	gagagtggat	21600
cacaggggtg	cttctctatg	ggataggggg	tggagagtat	tatactctct	ggactcaaga	21660
tgagtaaaat	gacacccatc	acaaaccatc	cagccctatg	atggcacctt	tatggtaagt	21720
ggttgaggc	tccaaggggg	ccgggtccaa	tgaggaagat	gccccacag	ctcgttctca	21780
atggcagact	atagaagagt	tgaggatata	cttctgggag	tcgagatgag	gcatgcta	21840
tatgctgaga	attattgaag	tccaacaat	gaattgttta	ctgcaaaata	aaagctacag	21900
ttatgtattc	agtgcctacc	caatggcatg	gtgcactgat	ttccacgtta	agccccctgg	21960
gagggcagcc	aacatttcat	gtgcccag	tagttgtcta	cttaggagaa	aagaagaaac	22020
tgagtaagca	agggatgcac	cctactgtga	tgaagaacaa	tggcaccaaa	ggaagagaga	22080
cagccaagga	gccagtcagg	gtggccagac	aacgaatgtg	ctctaactgg	caacacctac	22140
cagttctctg	ggcccatagc	ggcaataggt	ggttatggaa	gggccacgga	atcagaccg	22200
gttgaactag	tgatacgacc	tgggggactg	ccaccagac	cctgtgtagt	atacacagct	22260
tccatcctag	aacacatgag	aatggatatc	ttcttaggcg	tgaccctcca	aacaacggcc	22320
agggaattcc	aacggagagt	tagagtgggtg	atatgtgtga	ccaagcagaa	ggcaaacctg	22380
atgccagtag	agctgccaac	ccatggggag	tcccacagct	ggagcaaac	caccgcct	22440
gggaggggaa	gatgatccaa	tcataagat	tgttaaggag	ctagcccagg	taggcattag	22500
gaggccaactg	catggttcct	acaacagacc	tgcatggccc	atgcagaggc	cagttgagac	22560
atgggaaatg	acagttagatt	actgggagtt	aaataagggtg	gtctcccag	tgaatgcagc	22620
tgttccta	atctcctcca	gtctgacgag	aataggagag	gtgttagcca	cgtagcattt	22680
ccttatcagt	ttagtcaata	ccttcttcag	catttctgtt	gccccagagt	caagatcaat	22740
ttgcattaac	ctaaaaagaa	caatggactt	ttactgtctt	gttccaggga	tatttacaca	22800
gccccaaatct	cacagcctag	tgacctccaa	cctcagtcga	tggtgctgacc	caaaggggat	22860
acatgttttc	cactacattg	gtgttatcat	gataacctct	gagtcttttt	tcagcttata	22920
aattacagcc	cctgtcttgc	tgtctcactt	gctgaataga	ggatgggagg	ttaatacaga	22980
caaaatccag	ggtccaggct	tatcagtcaa	atagttgggtg	tcactctggtt	gggtaaaact	23040

aaagtcattc	catctgccat	catagataag	gtgcaggcct	accacacgtcc	caccacaaca	23100
aagcagctgc	aaactctcaa	ggccttctgg	agcatcagtg	tcctttttatt	cctttttattt	23160
gacatccctg	aaggaggctg	ctaggggaga	ctgtgtccct	cctaaattca	tgtgctgaag	23220
tcccaaccct	tggtccttca	gaatgaaatc	atacttggat	tagtgtcctt	taaagagggtg	23280
aataagttaa	agtgagattc	ctggagtggg	gccctaattgc	aatctgactg	ttgtttataag	23340
aagaggaagc	aggagggagg	gtgcacaggc	cccagaggac	ggccatgtta	ccacagaaca	23400
gtgagaaggc	gccatctgca	tgccaggagg	cgagacctca	gaggaaaccc	acccagctgg	23460
cagcttgatc	ttaggctttc	atcctccata	agtgtgagga	aattggtttt	gtattgtaag	23520
ccatccgatc	tgtggtattt	cgttataaaa	gccctataaa	atgaatacag	taggtaatag	23580
gagagcttct	atacattgaa	aaagtcggat	ggccagaaaa	acctagacac	tcctgttcag	23640
acctgagcag	ggtgatggac	ctgctttggg	acaggagagg	ggaagagatg	aaccagcac	23700
ccagacccag	ctgagcccat	tcctcagcag	gccgtccctg	ggccggagct	tgcacagggtg	23760
tgaaagagcc	tgtcttggtc	ttcaggggct	catggagttg	gacggagaat	ggtgtagact	23820
caagaacacg	tcacgggtgt	gcccgtgttt	atctgaatgg	gatgtgtttc	taggggtgtgc	23880
tcatccccaa	agaagaatta	atcagggtctc	ttgggctaaa	aagaggttgt	ggcatttgtg	23940
tgtattaata	actgtggctg	gacagtaaat	tatgttaaac	tgcttatggg	aaggcacaat	24000
ggaaagaaac	actttgttac	agaaggaaaa	aaaagggtgat	tatttaaattg	aggtgccttt	24060
gaaggtcacc	atgccaagag	gagcccatca	catgatagtg	ctggctttca	tgttcaggag	24120
atcaggaggg	tccgtccgct	ggcttttatg	acaccctaga	cagagctgag	agtgtaatgt	24180
atgaatggag	gggaagtgga	gagaggggag	gccaaatggt	tgggtgggaat	ggagggtcac	24240
tattggagcc	attaggaat	acacaagcat	gaattatgct	ggaggacaga	acagtgttcc	24300
tggggaatat	tgtgttgctt	tgggagctgc	tgaacataca	ggagtttcac	tgttcctagt	24360
tctcaaattc	tctagactct	ctggacaacc	cagttttaaa	tattgggaat	ataggtaaga	24420
cacattcggt	attaaaaatt	attaagagaa	gatgtaggaa	gaaatttaaa	gtaatccatt	24480
tggttatgaa	aatttagtta	cagcgaactg	tgatgtccgt	ttcttacttg	gaataatgga	24540
atgtaagtca	ttagtcatct	caacggttca	tttttccata	accatcaatt	acaaaactgc	24600
tgagtaattt	cctgaattgc	ccaccataga	aactgacctc	acatttcctc	aatgagaaac	24660
tgccagctcc	gttgatccag	cctcgttcct	cccatcaggg	atthttgtatc	tctgtggacg	24720
tgtggcacag	tgtgcatat	ccatcggcat	atggcctcag	gaaaggcgcc	agcctatcca	24780
tgcattgatga	agcttactta	ggggatgaag	ccgcgatgct	gggtgagcca	gtgccaacag	24840
ctgaaagaat	caactgcctg	gtgtatgatg	cttttatgaa	aacaagccca	gggcctcttg	24900
cattcttctg	tattagattc	tctggtgaag	atthtttattc	atthttctgct	gaaattgccca	24960
catataatta	cctggaagca	ttacaataaa	ctgatttgga	agttaactga	cttcctggtg	25020
aggttaaaaat	gagtgtcagg	tgcattagtga	gacagaccgg	agacatggat	gcatagcaaa	25080
cttgtgctca	ccatggtttc	tatcttagtt	agggaaactt	ctgtaccttc	cttagatggt	25140
caggcactcc	attgaggacc	ctggcataac	attatthtatt	gacagaccat	agctcaaatg	25200
atagaactgg	atactacca	ggaggatata	ctattactat	tttatcttta	tcttaaaata	25260
tactcttcca	tctgagggtga	aaattaatcc	agatggtaga	acttattgca	gttactacag	25320
catttttagca	aatcaaaagc	cgcagaacaa	acatatggac	agatggcagg	tatgttttcg	25380
gaatcgtaaa	caagtctgtg	atgactgtaa	aaccaagggg	tgtctcacga	gggctgga	25440
cctctcacaa	tgaacaacaa	caatgaggat	ctttgaaaag	tactctgacc	tcctggtgag	25500
ctggctgata	tggaggctga	gctccatgta	gaaagccaaa	ggaatttctg	caggacgtca	25560
tcattgccaag	cacagccgta	acctgggtcc	cagccctttt	cacacgtcca	atggttagat	25620
cttgggaggg	aatcaaaaga	gccatagtaa	aatatcaaaa	tttaaacccc	gattttgaat	25680
tttaaaaagtg	ttaaaatatg	gttgtggcct	acactcagaa	aatctgtgtc	cttcagatgg	25740
tttctcagtg	gcaccagatg	gtttcaagtg	gctattcatt	aagtttctca	gtgaaattac	25800
cagacataga	ataaataaat	tgtcactgtc	ttaaatcaac	ccatgggaaa	ggaaaactgt	25860
gtaaatacag	cagagaggaa	acattgctca	agggaacaa	aatctccaga	aagtattggt	25920
aaagaaacag	aggccctctt	tccagccagc	gccgagcgat	gggcacctct	cgggacaact	25980
ggcacaaggg	ccgcaaagct	gggggcaaga	gaaggccctg	ccacaagaag	ccgaagtatg	26040
agttggggcg	cccagctgcc	aacagcaaga	ctgaccctgt	ccgcatccac	acgactccgtg	26100
tgcgaggagg	taacaagaaa	tactgtgccc	cgaggctgga	cgtggggaat	ttctcctggg	26160
gctcagaatg	ctgcgctggt	gaaacaaggg	tcattcgatgt	tgtctacaat	gcatccaata	26220
acgagctggt	tcgtaccaag	accgtggtga	agaattgcat	cgtgcccatc	gacagcacgc	26280
cctaccgaca	gtggtacgag	tcccactgtg	cactgcccct	gggccgcaag	aaggagacca	26340
agctgactcc	tgaggaagaa	gagattttta	acaaaaaacg	atctaaaaaa	attcagaaga	26400
aatatgatga	aaggaagaag	aatgccaaaa	tgagcagttc	cctgggggag	cagttccagc	26460
agggcaagct	tcttgctgtc	atggcttcaa	ggccgggaca	gtgtggccga	gcagatggct	26520

atgtgctaga	gggcaaagag	ttggagttct	atcttaggaa	aatcaaggcc	cagaaaggca	26580
aataaatcct	tgttttgtct	tcacccatgt	aataaagggtg	tttattgttt	tgttcccaaa	26640
aaaaaaaaag	aaagaaaaag	aaacagaggc	atcacactta	ctagaaaaac	atattctatt	26700
tcatatatta	tggggatatg	acgtgatgtt	ttgacatatg	cgggcattgt	gaaattatta	26760
aatcaagtaa	ataaacatgt	ccatcacctc	acatacttat	tttttatggg	gtaaacgtgt	26820
aaaatctact	ctcttatcag	ttttcaagta	tatagtacat	tagtatcatg	gaagtcacca	26880
tgctgtgcaa	tagatcttca	aacgaattcc	ttctatctaa	ccaaaactct	gtaccctttc	26940
accaacgtct	cagctttcac	atgcccctga	cgccagcccc	tggtaggcac	cattctactc	27000
tctactctga	gttcaacatt	tttagattgc	atgtgtaagt	gagatcatgg	agtaattttt	27060
tatacctggc	ttattttcact	caacataaag	agtcaaattgc	tcaacatcac	taatcatcag	27120
ggaaatgcaa	attaaaacca	cgataagata	tcacctcaca	catgttacaa	tggtcttagtc	27180
tcagtctgtc	tttttgttac	tataaccgaa	taccagagac	tgggcaattt	ctaaagaaaa	27240
ggaattttatg	ctttatgggtg	cttgagtcag	agaagtctaa	tatcaaggca	ctggcatctc	27300
acaagggcct	tctcactgcc	tcatctcaca	gcagagggtg	gtgagcaaga	gaccattttgt	27360
ccacgagaga	aaagagacca	tcttttatta	gaaattcact	cctataataa	ctaaccctact	27420
ccattgatag	tgacagtaat	ccattcatga	ggacagagcc	ttcatgactt	gatcacataa	27480
taaagggtccc	acctctcaac	actgttgcat	taaagattat	ttccagatcc	taaacttttg	27540
gagacacatt	taaaccatag	cattccattc	ctaatatcaa	aattttatgtc	cttatcacia	27600
tgcaaattac	attcattcca	tcccaattgt	ctccaaagtc	ttatccagca	tcagtgcaaa	27660
agtctgaagt	ccaaagtctc	atctaaatca	gatatgagtg	tgactcgagg	cacaattttag	27720
cctgatataa	attgtttcca	tctgcgagcc	tataaagtca	aaacaagtta	tctactttca	27780
aatacagtga	acaatggggc	aggtatggga	tagaaattcc	cattccaaag	ctcagagaga	27840
ggcaaggaga	aagcggtgcc	tagttcaaaa	cccaacaggg	aaaaaacat	taagtcttat	27900
agctggaaaa	tcatcctctt	taacggcatc	ttgtgcacac	tggggagggg	gatgggcccc	27960
caaggcctcc	ggcagtcttg	cctctatata	ttttctgggt	tcagtccact	cagccgctct	28020
cacagggtggg	actctcaggc	ctctagctct	cctaggctga	ctggaaactc	tttgtggtac	28080
ctccaaaccc	acattttctgc	ttggcattgt	gctaaggggcc	cagtgtgggtg	actctgtctc	28140
tgcaacaagt	cactgcccga	gaccttaggc	tgctccttagg	ctgcccagaga	ccttaggccg	28200
tccacagcat	tctttgaaat	ctagggtggag	aaagccatgc	cctcgtgggtt	cttgatttct	28260
gcacacctgc	agaattaaca	acacatggat	gccatggaag	ttgatgactt	gtaccattaa	28320
agtgatggct	tgagccacac	ctaggtcctc	ctgagccaca	gcatgggcag	ccaaggagtg	28380
ctgtgcctgg	acaccgggaa	cagagtccta	aagtgcctgc	tagaagtcag	gccatagatt	28440
tccttcaaat	ttctcccacc	atataacctc	gttcatggct	ctgaacttcc	accttacaga	28500
aggacctagg	gatgaacaca	attcagccac	gttctttgcc	actttatggc	aaggatggcc	28560
tttgctccat	tttccgatga	gctattcttc	ttttctctct	gagacctcat	cagaacggcc	28620
tttattgtcc	acggttctac	tgacattcta	atggctcatca	cctaaataat	ctctaagaag	28680
tttcagaatt	tcttcacagc	tctcttcttc	tgagtcctca	aaagaatcac	ctctagtgtt	28740
ctattcaggg	caatccagac	tttttatagt	ctgatcctcc	aaattattcc	agtcttttgt	28800
cattactaca	tccacttcta	cattttgggg	tatttgttat	cgcaacagcc	ccacctcttg	28860
atactgattt	ttcgtcttag	tccactttgt	ggtgcaatga	gtgaatacca	cacactggct	28920
aaagtataag	gaaaagaaat	ttattttctc	gcagctctag	aggctgggaa	gtcaatatca	28980
aggtgttagc	atctggcaag	agccttcttg	ctgtgatgtc	catgtggaag	gcaggagagc	29040
aggtgcgaag	gatggaaagg	ggtttaaact	catttttttaa	tgagggaacc	aggcctgtag	29100
taactaatct	gctaccacaa	tgagtaacct	actctgacga	taatggcatt	cattgcttca	29160
tgagggcaga	gccctcatga	cctaatacatt	tcttaacatt	cccacctctg	gacactatgg	29220
aatttgggat	taagtttcca	atacacatcc	tttctaaaca	gcaggggctt	tttaatatgg	29280
tgaccacca	aggctgcagg	aggctctgaa	gcagtggcct	gaggttggtg	gtccttttgt	29340
agaatggaga	gaagtgaact	gactcatgga	gacacaagta	gatgaggtaa	aggcattcat	29400
tgcttcatta	catggatggg	gaggtcgatt	gaaggcatta	acggattaaa	gatggtggca	29460
aaaccgtctg	aggtggagac	cacggggagt	ccatcagaaa	tggaggacac	gtcccaataa	29520
atggtgcttc	atttccctgc	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	agcaaggctt	ttgcagggca	ggacaaggaa	tccccaagaa	gaaaacggaa	29880
acctcagctt	cactttgcat	ctgctcctga	gccaggctct	gagcgacccc	tgtaggtcct	29940
gagtgcccct	ccgtagggtt	tgagcatccc	ttggttgctg	ggcgccctct	ggtggtgtct	30000

gagccccctct	ggtggttttct	gagccccccg	ccttatgtct	gatcctccct	ggtggtgtcc	30060
gagtccccct	gctagtgtct	gagccccctg	gtggtgtctg	agtcctcttc	ttagtgtctg	30120
agccacccta	ttagtgtctg	aggaccctg	atggtgtctg	agccccagt	tagtgtctga	30180
gccaccctat	tagtgtctga	gccccctgg	tgtgtctga	gcacaggaga	gctcctctga	30240
aggaagggtc	tacatgggga	caggcgtgct	tgtctcagg	aaggggccat	gtggggacag	30300
gtgtgcttgt	ctgaagggaag	gttccacatg	gagacagggtg	tgcttgtctc	aggggaagggt	30360
ccacatgggg	acaggtgagc	ctgtctgagg	ggacagaagt	gcttgtctca	aggaagggtc	30420
ctcatgtgga	caggtgagct	cttttgagg	aagggttgac	ctggggacag	gcatgcttgt	30480
ctgaggtaag	ggtcctcctg	gggacagggtg	tgcttctctc	aggggaagggt	ccacgtgggg	30540
acagaggtgc	ttgtctaagg	caagaatcca	agtagggaca	ggtgagctcg	tctcaggga	30600
gggtccagggt	ggggacagtt	gtgctcatct	gagagaagcg	ttgaagtggg	gacaggtgtg	30660
cttgtctcaa	ggaaggggtcc	atgtggggac	aggtgtgcta	gtatcaagaa	aggggtccaca	30720
tagggacagg	tgtgcttctc	tcagggaagg	gtgcatgtgg	ggacagggtg	gcacatcgga	30780
gagaatggtc	cacctgggga	caggtgttct	tgctcagg	aagagtccac	cttctcagg	30840
aagaagtgtg	ctcctctgag	ggaaggggtgc	acatggggac	aggtgtgctt	gtctcaggga	30900
aggggtccatg	tgggaacagg	tgagctcatc	tgagggaaga	gtccacgtgg	ggacaggtga	30960
gctcatctga	gggaagggtc	cacatgggga	caagtgacct	cgtctgagg	aaggggtccac	31020
gtggggacag	gtgagctcgt	ctgaagggaag	ggtccacttg	gggaccggtg	tgctcctctg	31080
aggggaagggt	ccacgtgggg	acaggtgtgc	tcctctggag	ggaaggggtcc	acgtggggac	31140
aggtgagttc	atctgaagga	aggggtccaca	tggggacagt	tatgctcctc	tgagggaagg	31200
gtccatgtgg	ggacaggtgt	gcttgtctca	gggaaagggtc	cacgtgggga	caggtgtgct	31260
caccttgggg	aagaggacag	atgagctcat	ctcagggaag	gggccatgtg	gggacaggac	31320
caagggttgg	gacttcagca	caagaattta	ggaggaaacac	agtcttccct	agcagcctcc	31380
ttcagggatg	tcaaataattt	tccttctgtt	ccctgtgaaa	gccttaaagg	ggtagggaaa	31440
gggagttcaa	cctgcacact	cgtagagggg	aaaccagctt	cattagtaat	cgttcatctg	31500
tggtaaaaag	gcaggattttg	aagcgatgga	agatgggagt	acggggcggt	ggaagacaaa	31560
gtgccacaca	gcgcagcctt	cgaaacacac	cacggtcacg	ttaagtttaa	atggagtgtg	31620
cacattcgcc	aggaaaggga	aatattttaca	cttttgaaaga	aacagtaatt	tgtgtttctg	31680
attatgatct	ggccttggat	tttccctccc	ctcataagca	atgacagaat	tggcagaaat	31740
atgtgaaacg	ttagttctca	gacatgagac	acccacagag	ggccccctgt	gcccttccct	31800
gagagctgat	cagctcctgc	atctgaagaa	atgaccaaag	accaggagag	aaccacacag	31860
aagcatcgga	gggacagcac	ctggggctct	gatgggggtca	ggaatagcat	ctgttcccaa	31920
tagatggact	aagtaaaaag	tatcataatt	cacaagagtt	ttacatagca	cagaagaaaa	31980
agttacccta	tatcaactgt	tgatcttgtg	aatccaggaa	ctctggattc	aaggtggtcg	32040
ggcacatctt	gattttacgca	tttcagggac	acatgagaca	tcagtcaata	taagtaagaa	32100
ggacattagt	tccatccaga	aaggctgaga	caactcaaag	caagtcctcc	ccacttaggg	32160
cttccagggtc	acaggtagggt	gagagacaga	tggttgcat	cttttgagtt	tctgataagt	32220
gtttgcaaag	gaggccatga	ggatatgcac	ctgtctctgt	gagcagagg	acaacttta	32280
atagactggg	aggcagattt	gtcctgagt	gtttccagct	tgacggggcc	caagatattt	32340
tcctttcaca	atctggtaac	ttcaaacaaa	acttcaaagc	cacaacaaaa	caacacaaca	32400
acaaaaagaa	taagacatgg	gtacttatta	agagtagaaa	aacattcagt	ccccaggaa	32460
aatattggca	gtgtctacct	ccacatgaca	aaggagtaag	cagtgtgagc	cacagaaagg	32520
agcactatta	acccacagag	caaccgagaa	taacacgggt	gatgcgagg	cattggacgc	32580
acatcattgc	attttgtaga	ttcagaaaaga	aacggaaaag	attgacgggtg	gtaaaagaga	32640
cagccctgct	tcctctctcc	ttttccctcc	ccgatgaggc	ctcacagcca	tgaccctcag	32700
cctcatcccg	cagtgcagca	gctgccgtcc	tgtccaggcc	caccctctgc	ccgcctctgg	32760
gactgttacc	tcattccctc	ccggagtcca	ggtgcccccc	ggggtgtggt	gcgggagcct	32820
ggggaggccc	tttgttctct	gtcagggtct	ccctgggagg	gacgcagcca	ccgcagctgg	32880
ttggggcctg	gcttcgcccc	ggacagtcct	ttcctttccc	attgtctttg	gatgactatc	32940
gctgggctgg	gacatgaggc	gggagaggc	gcgggtcacc	cttaggacct	ccctcttgct	33000
gctggggctc	tgggcgctcc	tggtccgggt	ccgggtgtct	caaggccgct	ccttgtggca	33060
ctatgcctcc	tccgaggtgg	tgattcccag	gaaggagaca	caccatagca	aaggccttca	33120
gtttcccgcc	tggctgtcct	acagcctgtg	ttttgggggtc	aaagacacgt	cattcacatg	33180
cggaggaaac	accttctttg	gcctagacat	ctgtggtgga	caactcagga	tgaccaagga	33240
gtcttgcaga	tgggtgacct	ctacatccct	ccagactgct	agtacctcgg	ctacctggag	33300
gaggtgcctc	tgtccatgggt	caccgtcgac	acgtgctatg	gggacctcag	aggcatcatg	33360
aggctggacg	accttgcgta	cgaaatcaaa	cccctccagg	attcccgcag	gtttgaacat	33420
gttgtttttc	agatagtggc	cgagcccaac	gcaacagggc	ccacatttag	agatgatgac	33480

aatgagacag	acccccctgtt	ctctgaagca	aatgacagca	tgaatcccag	gatatctaat	33540
tcgctgtata	gttctcatag	aggcaatata	aaaggccacg	ttcaatgttc	caattcatat	33600
tatcgcatat	atggcaatat	tacaacttgt	tccaaagagg	tggccagat	gttcagtctc	33660
attgacagca	ttgctcaaaa	tattgatctg	cggtactata	tttatctttt	gaccatatat	33720
aataatcgtg	acccagcccc	tgtgaatgaa	tatcgaattc	agagtgcaat	gtttacctat	33780
tttaaaacaa	ctttttttga	tacttttcat	gttcattcat	ccacactact	tattaaatac	33840
gtgccacatg	aatctaacta	tgaacctgaa	aggtataact	tctgttcccg	tatagccctg	33900
ttacacattg	gtactccagg	cagacattat	ttattggtag	ccgtcataat	aaccagaca	33960
cagatgagaa	gtattggtct	ggagtatgat	gataactact	gcacatgtca	gagaagggcc	34020
tcctgcatta	tgcagcgatt	tcctgggatg	acagatgcgt	tcagtaactg	ttcttatgga	34080
catgcacaaa	attgttttat	acattcaggc	cggtgtgttt	ttgaaacact	tgctcctgtg	34140
tataacgaaa	ccatgacaac	ggttcgctgt	ggaaacctca	tagtgagggg	gagggaggaa	34200
tgtgactgtg	gctccttcaa	gcagtgttat	gccagttatt	gctgccaaag	tgactgtcac	34260
ttaacaccgg	ggagcatctg	ccatatagga	gagtgtctgta	caaactgcag	cttctcccca	34320
ccagggactc	tctgcagacc	tatccaaaat	atatgtgacc	ttccagagta	ctgtcacggg	34380
accaccgtga	catgtcccgc	aaacgtttat	atgcaagatg	gaaccccgtg	cactgaagaa	34440
ggctactgct	atcgtgggaa	ctgcaactgat	cgcaatgtgc	tctgcaaggc	gatctttggt	34500
gtcagtgtctg	aggatgctcc	cgaggctctgc	tatgacataa	atcttgaaag	ctaccgattt	34560
ggacattgta	ttagacaaca	aacatatctc	agctaccagg	cttgtgcagg	aatagataag	34620
ttttgtggaa	gactgcagtg	taccaatgtg	acccatcttc	cccggctgca	ggaacgtgtt	34680
tcattccatc	actcagttag	aggagggttt	cagtgttttg	gactggatga	acaccatgca	34740
acagacacga	ctgatgttgg	gcgtgtgata	gatggcactc	cttgtgttca	tggaaacttc	34800
tgtataaaca	cccagtgcga	tgtgactatc	acttcaactg	gctacaactg	ccaccctcag	34860
aagtgcggtc	atagaggagt	ctgcaacaac	agaaggaaact	gccattgccca	tataggctgg	34920
gatectccac	tgtgcctaag	aagagggtgct	ggtgggagtg	tcaacagcgg	gccacctcca	34980
aaaagaacac	gttccgtcaa	acaaagccag	caatcagtga	tgtatctgag	agtgggtctt	35040
ggtcgtatth	acgccttcat	aattgcaactg	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	tgcttccac	atthttcttag	35400
actcctctgg	gagcccaaac	ttggccagaa	cctcttgctt	ggagagacat	gaatgagcat	35460
ctggctcttg	tcctgaggtc	tctggtccca	gaattaacgg	aagttgccac	cagctcctta	35520
cagggaaacat	tcatgacatt	tctccagaag	agagctccag	agcaatgagc	ttcctcatte	35580
cccaggtaat	ctgtccttct	ctaaacccga	agtcagttta	gggtgatcca	gggtactctc	35640
ctgttccctg	tctgttctct	acgggggtgc	tgtgggcttt	gcagtgagag	ggacttggtt	35700
tcaaattccc	caccaagcaa	atccccctac	ctggggccga	gcttcccgtg	tgtgggaaaa	35760
tgaatccctg	aggtcgattg	ctgcatgcaa	tgaaattcaa	ctagaaaaat	aggtagacgt	35820
gaggggcaag	ctgtctgtca	tttagtgtga	gctctgtgag	tggcagctgc	cccctttctt	35880
cctgccccca	catttctctg	aactgaaaca	ggaagggaag	ctgagtaagt	cgtgatgagg	35940
aagagaaacc	aggcttgtag	cagcacaggc	tggtccgggt	ggaaaacagg	gctaggtgta	36000
tcactgagtt	attgtaaagg	aaaatggaag	ttaaatgtat	aaataactga	atgagataac	36060
atthttatth	aacttaaaat	tcacactaat	attgacttht	aaaatgcagt	gtagatatgt	36120
cagagagaat	ttcaaaggca	aagcccaccg	acggaagaaa	tcacccttcc	cataccatcc	36180
acagaaaact	gttggtattc	tagggtagta	ctgagatcta	gcattthtct	gaatacatct	36240
gtggttctag	atgtcctgtc	tccatagata	ttgtthtagaa	ttcccacccc	thtctccaaa	36300
cacagcttga	tatcctthtct	ctgaacctgt	tagaaattth	ctccattcag	ctgtcataaa	36360
gatgagagca	atccattcct	gtgcctctgt	cagtgtgttc	tattatthtg	tggctgaacg	36420
ctaattggaca	gttaagtgtg	aggtcagtga	atacagtgcc	ctccctctat	gtgtccttcg	36480
ggtgtgaggg	gtthtgctga	tagagcagca	ggccccatcc	cacccttht	gcattctccg	36540
ccccacctc	acgctccagc	tgacctctcc	cctgtggcct	ggggcgthtcc	ccagggggaa	36600
tgacctctcc	tctctccagg	gcccaccac	tcagtggccg	tgcaagacca	ccacgcttgg	36660
cacggccccca	cctcgtgtca	gggcctgtgt	ccctgcccc	accccctaaa	cagatgggaa	36720
ccactgggac	tctgctcagg	gcagggggcg	gaggtatgtg	tgaaagggaag	gcaaagtgtc	36780
actctgttgg	agaaatatta	taggtagtht	gagcaaaaaa	tctaattgcca	tgggaactth	36840
tagaatgata	cgtatthttaa	caaagaacat	gaccaataga	gtthgtattg	aagccaggaa	36900
aacactatth	agagcaacag	caatatcaaa	aacacaagcc	aacagthtcc	caagaaaaac	36960

caccattaac	cccatggaaa	tgggtcttcca	agagcatcgg	cacttaaate	ctggaaatct	37020
gcctgcctca	gcacctgttg	tcctgacctg	ccctcctgtg	tgtcctaate	actcccaaac	37080
acggggcctg	cactgtggga	gattcacact	gtgccagggtg	gagggagcag	gacaactgct	37140
aacagggtgt	tgggtgtggat	gccgaggcca	cccaagcagg	tgtaaactcc	cacctgtggg	37200
gcagggaaga	gtgcacggga	gacatgtccc	gggcataggg	tgaggagag	ctgtgggggc	37260
tctgggttct	gaagtgggtt	ctgaagagg	ttctggcctg	gcagggataa	gaccaaccag	37320
catgtgaggc	caggctggag	tctggacctc	tgaagctgca	agggtcatgg	gctgcttggc	37380
cccaggggct	gtcctgggtt	tctatggagt	actttcaaac	attccttctt	cttccaatcc	37440
ccctccttct	ctcccaaagc	ctgcatctcc	caaatcctct	ttgtcggatc	ctcggcttca	37500
ctctgcatcc	gtcctgagca	tcgatcttcc	aattccatcc	tcttctcttc	tgctatgtct	37560
aagctgctgt	gaagccacct	gctgtaattt	actgctttat	atttaatat	gtaccgtaca	37620
tctgttctgt	ttccctcatc	ataaatgctt	catttcatgc	tcagcatctg	agaacacaag	37680
gccttgtcag	ctgtcacctc	cttccgttct	ctgtttcctt	cctcctatcc	ccatattgct	37740
catcatgtcc	agtctcctgc	catcctgaat	gcttctgatg	gaaggctctga	gatgtctcat	37800
gagcactgtg	aagattcttt	gtaatgtgag	cttggtccag	gcaggaattc	tccttcaccc	37860
agccctggaa	gccaagtata	ggcagatggc	catgctcaat	caaagactga	gctaacttaa	37920
cagtggcttt	ggttttaagg	tttctccaat	ccccagggca	caggatttca	gggaattcag	37980
gtgagagtct	gggtgttacc	cttcaggagg	ctgtaaactc	catttcacct	agtctacacc	38040
acagactatg	gaaactatat	atataatatag	ttctgtccct	ctagagaaac	ctaatatgta	38100
tatatacaat	atataatacg	tattatataat	tatatataat	acgtattata	tattatataat	38160
attatataata	tattagagtt	tattgaggag	tattaaactc	acaatcacia	ggtcccacag	38220
taggccatct	gcaagctgag	gagcaaggaa	gccagtccga	gtcccaaagc	tgaagaattt	38280
gaagtctgat	gttcgacggc	aggaagcatc	cagcacagga	gaaagatgta	ggctgggagg	38340
ctaagccagt	ctagtctttt	cacgtttttc	tgccctgctt	atatcctggc	cacactggca	38400
gctgattaga	tgggtgcccac	ctagattaag	gggtgggtctg	cctttcccag	tttactggct	38460
caaagtgtta	tctccttttg	caacacccctc	acagacacac	ccaggatcaa	tactttgcat	38520
gcttcaatcc	aatcaagttg	acactcagta	tcaaccatca	caagtccacc	ccttgtcaac	38580
ttgaacccat	acaaatctcc	tgagatcata	cataatcttc	aaataaagac	aataataagg	38640
tcataattac	acctaattgta	atacaactat	cttttgtaca	accagaaatg	caccaatccc	38700
caacccaaat	gctattatgt	aaagttaaga	acacttaaat	gctgatatga	agtcaataaa	38760
ttttatgtca	catgataaag	gaaaaaagaa	atgaaggaat	tttcttagta	caagtgtgta	38820
catgcacaaa	catgttttta	acaaaagaag	aaggaaatac	tgatgacaat	tacagtcctc	38880
atttctgcaa	ctgatcacgt	ggttgtagct	ggtattgatg	actaccttct	tctactaccc	38940
attctgtatt	ccctttgcct	tcagcaagca	tcacagcagg	tagagttttt	tctcctagt	39000
gagtgatgca	aaccttcatt	cctgaagggg	ctgggccatt	tgtagtcctg	cctggattgg	39060
gctgtttag	tttcccgttg	accttaatga	cagggcatgg	taatgttaag	agacgcccta	39120
atggatctcc	tgtattccat	acatattctt	ccttacctcc	attgtggagt	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	ccacccttg	attcctggat	ccatgaatta	39480
tggctatggg	agaaagagta	ccatatattg	gatgctgatt	tgagcatac	atggcctttt	39540
ggagagcttt	gccccagccc	tgcaaagtat	tgagccctag	ttgacattgt	aattgtgact	39600
ttgaaaggcc	attccattct	tctatcaatc	cagctgcttc	aggatgatgg	ggaaaatgg	39660
aagacaagtg	aatcccatga	gcatgagccc	actgccacac	ttcttttagcc	gtaaaggagg	39720
tgccttggtc	agaggcaatg	ctatgtggaa	tactgtgaca	gtggataagg	cattccatga	39780
ctccacagat	ggtagtcttg	gcagaagcat	tgcatgcata	tctgcagtaa	gtgtctattt	39840
cagtgaggac	aaacctctgc	cctttccagg	atggaagagg	tccaatataa	tccaacctgc	39900
catcaggtag	ctcactgatc	accctgagga	atggtgtcat	ttgggtagag	accagagacc	39960
aaaccagatc	acgccaccca	acccctccca	aatctcatgt	cctctttgca	tttcaaaacc	40020
aatcatgcct	tcccaacagt	cccccaacat	cttaactcat	ttcagtatta	actcaaaagt	40080
ccaaatccaa	agtcacattg	gagacaaggc	aagtcccttt	catctatgaa	ctgttaaaat	40140
gaaaaacaag	tcagttactt	ccaagacaaa	atgggggtac	aggcattaga	tacatgctcc	40200
catttcagtt	gggagaaatg	agccagaata	aaggggcttc	aggtcacatg	caagcccaaa	40260
ctccagtggg	gcagtcatta	aatcttaaa	cttcaaaaata	atctcctttg	actccattcc	40320
tcacattcag	ggcatgctta	tgcaaagtgg	gggctcctac	aaccttggga	agctctcacc	40380
ctgtggcttt	gcagctctga	ccccatggct	gctctcatgg	gctttgcaga	gttcagccct	40440

cctggctgct	ctcattgagt	gcatgcagct	tttccagggtg	cacagtgcaa	gccgttaatg	40500
gatctacat	tctgggggtct	gaaagatggg	ggccctcttc	tcacagcccc	attagtcact	40560
gtctccagt	gggactctgt	gtgggggctc	caaccccaca	tttcccttct	gcactgcctt	40620
agcagaggct	ctccatgaag	gctttgcccc	tggcgagac	ttctggctgg	acatccagtc	40680
atttctataa	atcctctgag	atctgggtgg	aggatcacaa	agctgaactc	ttctcttccg	40740
cacatcccta	ggcccaacat	catgtagaag	ccaccaatga	ttggggcttt	ctgaagcaat	40800
ggcctgagct	gtacattgga	cttttttagc	cacagctaga	cctggagcag	ctgggacaca	40860
gggcaccaag	tcccaaggct	ccaaagagaa	gctgggccct	ggaccagcc	catgaaaaca	40920
tttttccctg	ataggcctcc	aggcctgtga	ttggaagggc	tgctgcaaag	atctccgaca	40980
tgccctggaa	acattttccc	cattgtcttg	attattaata	ttcatctctt	cattacttat	41040
gcaaatttct	gcagccaact	tgaattttctc	cctagcaaat	gtgtttttct	ttactaccac	41100
atggccaggc	tgcaaatttt	ccaaactttt	atgctctgtt	tcccttttaa	aaataagttc	41160
ctatttcaga	tcctctctct	caagggcaaa	gttccacaga	tttctagggc	agggacaaaa	41220
ttccatcaag	cttggtttta	tacatttttag	agaggcatga	gacatcaatc	aaatacattt	41280
aagagacaca	ttggtttggt	ccagaaagg	ggaacaactc	aaagctaggg	cttccaggct	41340
ataggtgaat	ttaaataattt	tctggttgac	aattggttga	gtttgtctaa	agacctggga	41400
tagatagaaa	ggtaatgttc	aggttaagat	aaagattgta	gagtccaaag	ttcttttgaa	41460
gtcttatagt	ggctgccctt	agagataata	ggtgacaaat	gtttcctatt	caaactcttag	41520
ttgaactctt	taggattggg	aggttctaga	agaaaaagat	ctagctatgt	taatagagat	41580
tctttacaga	tgcaaatttt	ccccacaaa	gaacagcttt	gcagggccct	ttctttcttt	41640
ctttctttct	ttctttcttt	ctttctttct	ttctttcttt	ctttctttct	tttttagatg	41700
gagttttgct	cttggtgccc	aggctagagt	ataatggcac	gatcttgtct	caccacaacc	41760
tccacctcct	gggttcaagt	aattctcctg	cctcagctct	ccgagtagct	atgattacag	41820
gcatgcacca	ccacaccggg	ctaattctgt	attttttagta	gacacagggt	ttctccatgt	41880
tggtgaggct	ggtctcgaac	tcccaacctc	aggatgatccg	cccacctcag	cctcccaaag	41940
tgctgggatt	acaggcatga	gccaccatgc	ccggcctgca	gggccatctc	agagtatggc	42000
aaagaaaacat	gttttggggt	aaaatatattt	gattttctta	tttgtctcat	aatgttatgc	42060
cagagtcagt	ttggaaaagta	aatcatgata	tataggttta	aataaaaccc	atctgatgag	42120
aatttatgat	ttgtagagca	tgcttcccca	gactcttttag	ataggaattt	gggcaagatg	42180
aaaaaaaaaat	cagagtttag	tcctcactac	ctaagaccag	ctcagcttgg	acttcaactgt	42240
tcatgtcact	atcagcattt	tagtcaaaac	cactcaataa	gtctctagga	agttccaaac	42300
tttcccacat	cttcccttct	cctttcaagt	tctccaaact	gttccaaccg	ctgccaggag	42360
gtacccagtt	ccaaagttgc	ttccagattt	tgagttatct	ttatagcagt	tccccactcc	42420
tggtaccaat	ttactatatt	agtctgtttc	cacagtgcta	taaagaactg	cccgaagtg	42480
gttaatttgt	aaagaaaaga	ggtttaattg	actcacagtg	ctgtgtgggt	agggtcggag	42540
gctcaggaaa	cttgcaatca	tggtggaagt	ggaagcaggc	atgtgacaca	tggcagcagg	42600
tgagagagag	aaagagagag	agagggaatg	aaggaggaac	caccatacat	ggataaaacc	42660
atcagatctc	atgagaactc	actcactatc	aggagaacat	gaggacagca	tgggggaaac	42720
caccctatg	accagtcac	ctcccaccag	gtccacccct	tgacacataa	ggattactat	42780
ttgagatgag	atttgtttta	tgacacagag	ccaaaccaca	tcagcatgtg	acaaaggctc	42840
aatatcaaga	atctatgagg	gggcagttcc	aaaatggctg	aataggaaca	gctccagctc	42900
acagctccca	gcatgagcta	cacagaagac	agggtgatttc	tgcatttcca	actgaggtac	42960
tgggttcac	tcacgggggc	ttgttgga	gtgggggag	gacagtgggt	gcagcccacc	43020
aagagtgagc	tgaagcaggg	cgaggcattg	cctaaccag	gaagtgcaag	gggtcaggga	43080
attcccgttc	ctagccaagg	gaagcgggtga	tggacggcac	ctggaaaatc	cggtcactcc	43140
caccctaata	ctgcactttt	ccaacggtct	tagcaaatgg	cacaccagga	gattatatcc	43200
tatgcctggc	ttggagggttc	ccatgcccac	ggaacctcgc	ttattgctag	cacagcagtc	43260
tgagatcaaa	ctgcaagggtg	gcagtgaggc	tgggggaggg	gtgcccacaa	ttgctgaggc	43320
ttgagtaagt	aaacaaagtg	gctgggaagc	tcaaactggg	tggagtccac	tgcagctcaa	43380
ggagacctgt	ctgcctctgt	agactccacc	tctgggggca	gggcatagct	gaacaaaagg	43440
cagcagaaac	ctctgcagac	ttaaagtgtcc	ctgtctgaca	gctttgaaga	gagtagtgtt	43500
tctcccacat	ggacttttag	atctgagaat	ggacagactg	cctcctcaag	tgggtccctg	43560
acccccgagt	agcctaactg	ggaggcacc	tccagtaggg	gcagactgac	accttacacg	43620
gctgggtgcc	cctctgagat	gaagcttcca	gagggaattat	caggcagcaa	catttgctgt	43680
tcagcaatat	tcgctgttct	gcagcctctg	ctgtctgatac	ccaggaaaat	agggtctgca	43740
gtagacctcc	agcaaaactcc	aacagacctg	cagctgaggg	tcctgactgt	cagaaggaaa	43800
actaacaac	agaaaggaca	tccacatgaa	aaccccatct	gtacatcacc	attatcaaag	43860
acaaaaggta	gataaaacca	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	taatcagtgt	agagaagtc	ttaaatgacc	tgatggagct	44160
gaaaaccatg	gtatgagaac	tacgtgatga	atgcacaagc	ttcagtagcc	gattcgatca	44220
actggaagaa	agggtatcag	tgattgaaga	tcaaatgaaa	gaaatgaagg	gagaagagaa	44280
gttttagagga	aaaaaaagta	aaaagaaaga	aacaaaccct	ccaagaaata	tcagactatg	44340
tgaaaagacc	aaatctatgt	ctgattggtg	cacctgaaag	tgacagggag	aatggaacca	44400
agtttgaaaa	caccctgcag	tatattatcc	agcagaactt	ccccaaccta	gcaagacagg	44460
ccaacattca	aattcaggaa	atacagagaa	ccccacaaag	atactcctcg	agaagagcaa	44520
ctccaagaca	cataattggt	agattcacca	aagttgaaat	gaaggaaaaa	atattaaggg	44580
cagccagaga	gaaaggtcgg	gttaccctca	aagggaagcc	catcagacta	acagctgatc	44640
tctcagcaga	aactctacaa	gccagaagag	agtggggggc	aatattcaac	attcttaaag	44700
aaaagaaaatt	tcaaccaga	atttcatatc	catccaaact	aagcttcata	agtgaaggag	44760
aaataaaaatc	ctttacagac	aaacaaatgc	tgatagattt	tgatcatcacc	aggcctgccc	44820
tacaggagct	cctgaaggaa	gcactaaaca	tggaaaggaa	caactggtac	cagccactgc	44880
aaaaacatgc	caaatacata	agaccaccaa	agcgaggaag	aaactgcac	aactaacgag	44940
ccaaataaacc	agctaacatc	ataatgacag	gatcaaattc	acacataaca	atattaacct	45000
ttaatgtaaa	tgggctaaat	gctccaatta	aaagacacag	actggcaaat	tggataaaga	45060
gtcaagaccc	atcagtggtc	tgtattcagg	agacccatct	catatgcaga	gacacacata	45120
ggctcaaaaat	aaaggcatgg	aggaagatct	accaagcaac	tggaaaacaa	aaaaaggcag	45180
gagttgcaat	cctagtctct	gataaaaagag	acttttaaacc	aacaaagatc	aaaagagacg	45240
aagaagacca	ttacataatg	gtaaagggat	caattcaaca	agaagagcta	actatcctaa	45300
atatatatgc	atccaatata	ggagcaccca	gattcataaa	gcaagtcctt	ggagacctac	45360
aaagagactt	agattcccac	acaataataa	tgggagactt	taacacccca	ctgtcaacat	45420
tagacagatc	aacgagacag	aaagttaata	aggatatcca	gcaactgaac	tcggctctgc	45480
accaagcaga	cctaatagac	atctacagaa	ctctccaccc	caaatcaaca	gaatatacat	45540
tcttttcagc	accacaccac	acctattcca	aaattgacca	catagatgga	agtaaagcac	45600
tcctcagcaa	atgtaaaaga	acagaaatta	taacaaactg	tctctcagag	cacagtgcaa	45660
tcaaactaga	actcaggatt	aagaaactca	ctcaaaaacca	ctcaactaca	tggaaaactga	45720
acaacctgct	cctgaatgac	tactgggtac	ataatgaaac	gaaggcagaa	ataaagatgt	45780
tctttgaaac	cagtgagaac	aaagacacaa	cataccagaa	tctctgggac	acattcaaag	45840
cagagtgtag	agggaaattt	atagcactaa	atgcccacaa	gagaaagcag	gaaaaatcta	45900
aaattgacac	cctaacatca	caattaaaag	agctagagaa	gcaagtgcaa	acacattcaa	45960
aagccagcag	aaggcaagac	ataactaaga	tcagagcaga	actgaaggaa	acagagacac	46020
aaaaaaaaccc	ttcaaaaaat	caatgaatcc	aggagctggt	tttttgaaaa	gatcaacaaa	46080
attgatagac	cactagcaag	actaataaag	aagaaaagag	agaagaatca	aatagatgca	46140
ataaaaaatg	ataaagggga	tatcaccacc	gatcccacag	aaatacaaac	taccatcaga	46200
gaatactata	aacacctcta	cggaaataaa	ctagaaaatc	tagaagaaat	ggataaattt	46260
ctcgacacat	acaccatccc	aagactaaac	caggaagaag	ttgaatctct	gaatagacca	46320
ataacaggct	ctgaaattga	ggcaataatt	aatagcttaa	caacccaaaa	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	tcctcaataa	aatactggca	aaccgaatcc	46620
agcagcacat	caaaaagctt	atccaccatg	atcaagtggg	cttcacccct	gggatgcaag	46680
tctggttcaa	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	atcaggcagg	agaaggaaat	aaagggtatt	caattaggaa	47040
aagaggaagt	caaatgtctg	ctgtttgcag	atgacatgat	tgtatatcta	gaaaacccca	47100
tcgtctcagc	ccaaaatctc	cttaagctga	taagcaactt	cagcaaagtc	tcaagatata	47160
aaatcaatgt	gcaaaaaatca	cacgcatttc	tataacccaa	taacagacaa	acagagatgc	47220
aaatcatgag	tgaactccca	ttcacatttg	cttcaaagag	aataaaaatac	cttggaatcc	47280
aacttacaag	ggacgtgaag	gacctcttca	aggagaacta	caaaccactg	ctcaatgaaa	47340
taaaagagga	tacaaacaaa	tggaaaaaca	ttccatgctc	atgggtagga	aggatcaata	47400

tcctgaaaat	ggccatactg	cccaaggtaa	tttatagatt	caatgacatc	cccatcaagc	47460
taccaatgac	tttcttcaca	gaattgggaa	aaactgcttt	aaagttcata	tggaacccaa	47520
aaagagcctg	caatgtcaag	tcaatcctaa	gccaaaagaa	caaagctgga	ggcatcacgc	47580
tacctgactt	caaactatac	tacgaggtta	cagtaacca	aacagcatgg	tactggtacc	47640
aaaacagaga	tacagaccaa	tggaacagaa	cagagccctc	agaaataatg	ccgcataatc	47700
acaactatct	gatttttggc	aaacctgaca	aaaacaagaa	atgggaaaac	gattccctat	47760
ttaataaatg	gtgctgggaa	aactggctag	ccatatgtag	aaagctgaaa	ctggatccct	47820
tccttacaca	ttatacaaaa	attaattcaa	gaggattaaa	gacttaaata	ttagacctaa	47880
aaccataaaa	accctagaag	aaaacctagg	caataccatt	caggacatag	gcatgggcaa	47940
ggacttcatg	tctaaaacac	caaaagcaat	gacaacaaaa	gccaaaattg	acaaatggga	48000
tctaattaaa	ctaaagagct	tctgcacagc	aaaagaaact	accatcagag	taaacaggca	48060
acctacagaa	tgggagaaaa	tttttgcaat	ctacttatct	gacaaagggc	taatattccag	48120
aatctacaat	gaactcaaac	aaatttacaa	gaaaaacaaa	caaccccatc	aaaaagtggg	48180
caaaggatat	gaatagacac	ttctcaaaaag	aagacattta	tggagccaaa	agacacatga	48240
aaaaatgctc	atcatcacta	gccatcagag	aaatgcaaat	caaaaccaca	atgagatacc	48300
atctcacacc	agttagaacg	gcgatcatta	aaaagtcagg	aaacaacagg	tgctggagag	48360
gatgtggaga	aataggaaca	cttttacact	gttgggtggga	ctgtaaacta	gttcaacccat	48420
tgtggaagtc	agtgtggcga	ttcctcaggg	atctagaact	agaaatacca	tttgaccagg	48480
ccatccccatt	actgggtata	tacccaaagg	attataaaaac	atgctgctat	aaagacacat	48540
gcacacgtat	gtttattgcg	gcaactattca	caatagcaaa	gacttggaac	caacccatat	48600
gtccaacaat	gatagactgg	attaagaaaa	tgtggcacat	atacaccatg	gaataactctg	48660
cagccataaa	aaaggatgag	ttcatgtcct	ttgtagggac	atggatgaag	ctggaaacca	48720
tcattctcag	caaactatca	caaggacaaa	aagacaaaaca	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	aaacttaaaag	tataataaaa	aaatttttta	aaaaagaaac	49020
acctgctttt	ttctgttttc	catttgctta	gtagattttt	ctccatcctt	ttacttttag	49080
cctggggatg	tcattgcatg	tgagatgggt	ctcttgaaga	cagcatacat	ttgggtcttg	49140
cttctttctc	caacttggca	attctctgcc	ctttaatttg	ggcatttagc	ccattttacat	49200
tcaaggttaa	tattgatatg	tgcatatttc	atcctgttat	catgttggtta	gctgctcaat	49260
atgcagattt	gattgtatag	ttgatttata	gtggcaatcg	ttatgtactt	aagtgtgttt	49320
ttgtggtggc	cagtaacgtt	cttccattat	catatttagc	aatcccttaa	gggcctcttg	49380
taaggcaatc	tagtgggtgat	gaataccctt	agcatttgct	tgtctgaaaa	ggatcttatt	49440
tctccttcac	ttgtgaagct	tcat ttggct	agatatgaaa	ttcttgcttg	gaatttcttt	49500
tctttaagaa	tgctgaatat	aggcccccaa	tctcttctgg	attgtacagt	ttctgctgaa	49560
acctccattg	ttagcctcat	tgggttccct	ttgtatgtga	cctgaacctt	ctttctagct	49620
gcctctaata	ttttttttcc	tttcaacctt	taagagtctg	atgtctgatg	gctatatgtc	49680
ttagggatgg	ttgtcatgta	taatatcatg	cagaggttat	ttgcatttct	tgaatttgaa	49740
tgttggcctc	tctggtgagg	ttggagaaat	tttcatggag	gatagcctga	aatgtttttc	49800
aagtttcttt	ttttctcttt	ctcttcttaa	gggataccaa	tgtgtcatag	atctggtctt	49860
tttacataat	tgcaactttc	tctgaggttt	tatgccttct	tttttattct	ttgttcttta	49920
tttttgtctg	actgagttaa	ttcagagaat	cagttttttaa	gctctgtgat	tctttcctca	49980
gcttgggtcta	ttctgctggt	aatacttgta	attgtattct	gaaattcttg	aagtgagttt	50040
tttagctcta	tcaaatcagt	ttggttcttt	cttaaaatgg	ccatttcatc	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	tttcttgcat	taattctttc	tcacttttgt	gggctgtttc	50340
tttaatcttt	gaagtggctg	tcccttggtg	gtttttgtct	tttttgttgt	tttttgggtg	50400
gtgtttttgt	ttgtttgttc	atttgtttgt	tttttgctct	tatcttcttt	gatactcttg	50460
cagggtttgat	tgtggtataa	agtggattca	gttagctgtg	tttcttgaaa	atcttagagg	50520
gtccaggctc	acctcagcac	tcttggtgtg	tgttctctgc	tctgggactg	ggccccctggc	50580
tttattctct	ggccccctga	gtttagaaac	ttgctgcatt	ggaggggctg	aggtgttccc	50640
agtcacattg	ccacaacact	atagtagggg	gtgccggcca	aagcacttca	ttagagtggg	50700
ggcagtgagg	tcacattctta	ctcatgggtg	ccagcagttg	tggagtcatg	gcagggtgca	50760
catgcatctg	ctgggggtggg	ggtagctggc	ggagcagagt	ggcagcatcc	ctacataggt	50820
tcctgctggc	agtcacagcg	cagtgaggtg	cccggtgtgt	ggcagggaca	gggtggtggg	50880

gcacacatgc	acatgcttgc	tggtggtaga	gggagttgtg	atctgctgtg	cactcatgcc	50940
agcaaagcag	ttgggaggta	ctatgggtgg	actgggtgcac	atcagcagag	gctggcctgc	51000
tggagggtctc	caatgggttag	gcatgggtctg	ctggcaaagg	agctatgatg	agggcccca	51060
ggaaacaccc	tggttgggct	tccaaggctg	tactgcaagc	aggcacagcc	agcctggggc	51120
cccaggagag	gccagaaggc	aaggaaaattc	tcatattcaga	tgggccctgt	cccatggaca	51180
agaccaccct	gctttattca	ggtcccatag	tcaactctaag	gttaaaatct	cctagaggag	51240
gttggtgagc	cttgggggat	gggtgtcccc	tggctgtgct	ccactacagc	cattctcatg	51300
tcaaacactc	tgggctttac	acagactgga	gtcctgcccc	tggcatctct	ctaagcagct	51360
gtcccttcca	gcacaagtgt	ccatgggggt	catgggggtct	cctgctgcta	ggattctgga	51420
ggcccatggc	aacagcaggc	cactcctcac	ctgttcaact	caacctttcc	ccaggagtgtg	51480
ctgggagcca	ggaatgagtc	ctgggtgcttg	gcatccccc	gcagggttcc	catcttctc	51540
caccttcagc	tcagcatctg	tgtcctcccc	cgtctactct	caatccactc	tcaatgcctc	51600
cccttcaaag	atctgcttgg	aaagcacccg	tcttctctgat	gtctcactcc	ctccatggca	51660
gatattcctc	ctggctgcat	ctagtcatg	atcttgactc	gcctccaaag	tctttttaat	51720
taccacttcg	gttaaattag	taactatcat	tttacaatgg	cctgtgattc	tgttttgatc	51780
aaatattttg	agccttttag	catctataac	aaatgttctc	aaaaatcaaa	atcctaaatc	51840
aagtctctgc	cttagtctta	tttctggggc	ttattaaggc	tataaaaatt	aatcaccata	51900
aggttgtaca	agctttttac	agcttccagt	caggctatga	actccagtat	caccacctcc	51960
agcctgataa	ttacatatat	tggagaagaaa	tcagttaaag	gactccctct	agacccttga	52020
aagggtgtga	gagacaacat	ggtttcgcct	gccttcatgt	gtcccagtcc	atccctgtgg	52080
ctgcctctgt	ccacctcagc	ttgcccaactg	tctttccttc	ccaactgtct	gccctgctga	52140
cttctggcct	cagtgcacaga	tgcaaagaca	aggcgacagc	cccacataga	ccgtttaacc	52200
agtcccacat	ttgcataagc	taaatggtca	tgtcacagtc	tgttgcccag	gctgggtctca	52260
aactcctggg	ctcaagtgat	ccacccacct	tgacccccaa	ggtgctggga	ttacaggcctt	52320
gagccacagt	gcccagccaa	gaacccgttt	ttgagtgggc	accttggcac	acacctgtaa	52380
acgcaacact	ttgggaggcc	aagggtgggag	tgtggccttga	ggccaggagg	ttgagggttg	52440
agtgagctat	gatggcacca	cctcactcca	gcgtgggtgg	cagagtgaga	tccttttagaa	52500
aaaaaaaaaa	aaaaaacttg	ttttctctgc	agccgggctc	cgtgaccaa	cacaaacaca	52560
aacttcccct	ccagagggtc	caggaggggc	tgggctgcag	gagggtgctta	gggcctctta	52620
gggaatggta	agtgaccacc	caacgcaggc	actcagcccc	aggggcatat	gcagagagag	52680
ggtccaggag	gagctgggct	gcaggagggtg	cttagggcct	cttagggaat	ggtaagtga	52740
cacccaacgc	aggcactcag	ccccaggggc	atatgcagag	agagggtcca	ggaggagctg	52800
ggctgcagga	ggtgattagg	gcctcttagg	gaatggtaag	tgaccatcca	acgcaggcac	52860
tcagccccag	gggcataatgc	agagagaggc	tgggaggaca	ctttcagtga	ctgggggttac	52920
aaaccccaac	cataagacat	tgtctgctct	gtgagccgcc	acctccagaa	atctcccact	52980
tagttcttag	cacttatcca	ctcttccctt	ttctactct	caattcctgg	aggatgccct	53040
cctttctcag	gctcagacca	acctaccagc	tccactctag	acctgaacac	atgactcctc	53100
cctctgtctc	cacctggaaa	tctcatcagt	gcctcacatt	tacactcctg	aaaatcaggt	53160
cctgcctacc	cacctctctg	ctccacctga	ttcctgccct	gtttcagcca	gagaccttg	53220
agtctccttt	aactctcaaa	cccacccatg	tcgtgtgagc	atactgactg	tgttctatgc	53280
aagaaagagc	agtttcttgg	tggtcctgcg	gttttattag	tccagaggca	aagcgttggc	53340
agagctggtt	tcttctgaac	cctgggaggg	agattctggt	ttcatgcctt	ttccagattc	53400
tagaaccat	attccttgct	ctgtgtcccc	ttcttccatc	ttcaaaggcc	atcctctcat	53460
ctctgtgtcc	atcatcacat	cacccttccc	ctgactctgg	ttctcctgct	tccacttata	53520
agcacccttg	tgattacatc	ataccacccc	agacaatgca	gggccatatt	ctcccctctc	53580
gagattaatt	taatcacatc	tacaaagttc	ctcgtgccat	atgaggtcac	taaaccacat	53640
gttctggggg	tttgaatgta	aacatttggg	ggatgcatta	ttcagccacc	cacaagcact	53700
gctccccact	ggccacacac	tatgcacagc	cgagatcatg	caagtgaggc	acgttcatca	53760
acagcagctt	cagcaggaaa	ctatatgctc	cactttcctg	ccatttgtat	ctggattttt	53820
ttttcgctat	cattgtagaa	agagtgggat	tgtaaaatta	aagatggatt	attttctttc	53880
tagaacactt	tggcaatcta	tccaacatta	tttatccct	tctgagtgtc	aagtgtgagg	53940
tcattctttc	attgagagct	caatgcctac	aattatgata	atgcataattg	gggtatttca	54000
cacatcagaa	agttcttctt	tcttaaaatc	tgttcttgaa	ttattcattc	ttctctagct	54060
ttttgttgat	ctattttata	attttagaaa	aatcagaaag	taacttgaag	tatctgtcat	54120
ctctacaggt	ttacctccct	ctttgtggcc	ttcagaatgt	catgacacgc	ttttcccttg	54180
ctcatcacat	ggtttctatg	tatgagacct	catcacagga	gctgtgggtcc	cccgggagca	54240
ggcatctgtg	gatgggtgct	tgtcctgggc	tgtgtgggacc	tgtgtgctgc	cagtggcact	54300
ccacgacagt	gatttcccag	ctcagttttg	cagctccaga	tggtgggtga	gacactagga	54360

ccactttgtg	aacagcgagg	gcttgggggt	tgcttttcta	ccatgtccag	ggctgctgtt	54420
catgagggaa	tgtttctaac	ctgacatcat	ggctgaagcc	aacttagaac	ctctctagcc	54480
gtatggggag	taggtgagtg	atacagatgt	taattagctc	agtggagcca	ctcccctatg	54540
tagacatgtt	acaaaacatt	atgctgtaca	gaataaatat	aggtcatttt	tatgtgtcaa	54600
tcaaaagaga	aactaattat	ttaaaaaaaa	aaaaaaaaacc	tctctactca	agccgaaacc	54660
tcagctccag	tcccacaagt	cacacaaggc	tgctcccgtc	ctgtgtatgt	taaacctacc	54720
tcagaaatgc	aagggggcat	tcaggtttca	ttctcaattc	aatgcccctt	tttaattttg	54780
tctattccta	gcacctggca	acttccagct	ctttttttcg	gggctcattc	attatttaaa	54840
gcacgtataa	tttttcaccc	acatttctaac	acatgtagta	ctgtagagaa	tccttcccta	54900
ggaggatcta	cagcattaga	aaagaattaa	gaactccaat	atttacaaga	aggaaaaagc	54960
aaaaagagat	caaaaaatgg	gcaacttcta	gaaatagaaa	accctcatga	gtatgatgat	55020
aaatcgctgg	cacacatgtg	aatagttact	tgatgcttat	agtgatgtct	gggaaaaataa	55080
catgaaatac	ttataatctg	tttctcacac	atgtaattca	aaagaataga	gagaagatga	55140
tttgaaatat	tcttaagttt	gtaggaaaaa	agctacttcc	atatgcataa	ttgcatgtat	55200
tttgatactg	ccattatttaa	gaactatcta	agaggggtcca	ttaaaaaataa	aattttcttgg	55260
ctgggcacag	tggctcatgc	ctgtatccca	gcactttgga	aggccgaggc	agggtggctca	55320
cctgaggtca	gaagttcaaa	accagcctgg	ccaacatggg	gaaacgctgt	atctacccaa	55380
aatacaaaaa	ttagctgggc	atgggtggcat	gcacctgtag	tctgagctac	ttggggggct	55440
gaggcaggat	aatcgtttga	acccaagagg	tgtaggttgc	agtgagctaa	gatcatacca	55500
ccgcactcca	gcctgacaga	caaagcaaga	ctctgtctca	aaaatattaa	aataaaaattt	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	aaggggagaca	gagagagaga	gagagagaga	gagagaggca	cagaaaatgag	55920
agatacaaaag	tgaaagaggg	caacctgtgg	ggatcatcaga	tatttgtttt	ctgttttgtt	55980
tatttctaaca	taaaggcagt	ggtgggtcat	cgatgtattt	agagtttgca	caatcactgt	56040
ggaacacaga	cagacacagg	ggaagaggag	aaacacaggg	cgggtggcttg	cccttggaact	56100
gttcttagtt	cctcaaaacg	taacagcttt	gcccaccta	agggaacttt	cagcagctgc	56160
tcttctgcca	taggcctctt	tcctgccttg	ttttcatgtg	gctgactggt	tctgttccctg	56220
caggtcttag	ctcatcagac	aggcatttat	tacctctgtg	tcaacagtgg	gagcttccat	56280
tactctctag	catgacactc	cccttcctct	tttaggaaat	ttaacatgga	agtgagtttg	56340
ccatcggcct	tctccccaca	gtgttaacag	tggtagggaa	gccagcctgt	tccaccttgc	56400
ccctcccatg	attccaacac	tgagttcaga	cttgtcacat	ggaacttatc	tttgcatgtt	56460
tgtggcacag	acagatggac	ccaacctatg	attagtggat	ggatggatgg	atggatggat	56520
ggatggatgg	atggatggat	ggatagatgg	atggatggat	ggctgagtag	gtgtgtggat	56580
ggaagagtga	aaagatagat	ggatgcatgt	atgggtggat	gggtaggttg	atggatgcat	56640
ggatgggtgg	atggatgggt	gagtggatga	atgggtgggt	agggtgggtgg	ctacatgcat	56700
ggatgagtag	ttggatagat	aagtgagtgg	atggatggat	ggatggatga	atgggtatgt	56760
gaagggatgg	atgtattaga	gtgggtagt	aggcaggcat	gagctgatag	tcaagtgatt	56820
gttaaaactgc	ctctctaaaa	taataattgg	tctcggtcgg	acgcggtggc	tcatgtctgt	56880
aatcccaaca	ctttgggagg	ctgaggtggg	cggatcacaa	ggtcaagaga	ttgagaccat	56940
cctgaccaac	atggtgaaac	cctgtcttta	ctaaaaatac	aaaaattagc	tgggcgtggt	57000
ggcgtgcac	tatagttcca	gctactcggg	aggctgaggc	aggagaattg	cttgaacctg	57060
ggaggaagag	gctgcagtga	gctgagattg	tgccactgca	ctccagcctg	gtgacagagc	57120
aaagctctgt	ctcaaataat	aataataata	ataaataata	attgatctca	gccagcgcca	57180
agaaaaggca	gtctcccaat	agatagaaaa	caccggaaac	tggatcatcag	cagcttccctg	57240
ataagatctc	aggcattggg	tgagtgggct	caagcatatg	cactaagagg	caaagtggca	57300
gagtttaact	ggcacataat	cttcctctag	gaacactcta	atagtaagag	aaggacacct	57360
caaatgagca	tgtgcacatt	tcattaaacc	cactgtgtat	gcagcccctc	ccaagtgtctg	57420
gcaggccact	gtacatgtgg	gcagcccact	ccaagggaag	aatcaaggga	gaagaaatac	57480
aaatcccaga	accatgtcaa	tgtataaaac	cccaagtcaa	gggccggaca	gagcacttag	57540
atctctcaag	tcgcccactt	agccctcttc	caagtgtact	ttacttccct	tagttcccac	57600
tttaaaactt	taataaacat	ttactcctgc	tctaaaactt	gcttgggtct	ctcactcttc	57660
tgtatgcccc	ttggccaaat	tcttctctcc	aaggaggcga	gaatcaagtt	ctgacagacc	57720
tgtatggatt	cgctcctgct	aacagatagc	tggatgggtg	gacagatgca	tgaattagtg	57780
gatggacggt	tggatgtgtg	ggtgggtggg	tggattgtgg	gatggctgga	tgaatgcatg	57840

gctggatggg	tggacagatg	catgaattag	tggatggatg	tttggatgtg	tgagtgggtg	57900
ggtggattgt	gggatggctg	gatgaatgca	tggctggatg	ggtggacaga	tgcatgaatt	57960
cgtggatgga	cgtttggatg	tgtgggtggg	tgggtggatt	gtgggatggc	tggatgaatg	58020
catggctgga	tgggtggaca	gatgcatgaa	ttcgtggatg	gacgtttgga	tgtgtgggtg	58080
ggtgggtgga	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	tggctccctg	atgaagcagt	58380
gggggaggag	agtgtaccag	gggagcagga	atgacttttc	tccagaatcg	acctctccca	58440
ccctgcagcc	tgggtgtgtg	aggccacatt	ggagaagggtg	cggtcgacta	ctcctaaatg	58500
ttgttgtgtc	caatggcttg	ttgacgttga	tgtaggaatg	agcctacatc	tccaccatag	58560
atggaactgt	ttgggtcccc	aaagcagaaa	gcctcttctg	ttgcagggtg	tgaagtttcc	58620
atcttcttct	gcttatacgg	aagctcacgc	atcccttgga	tggcaggcgt	cagggttctg	58680
tgcgcactga	gttccccctt	tacatgcttt	ggacagaagt	gtgagacaca	caagattgct	58740
gcaggaagtc	cacctgtggg	gatgctgcca	cttctccagc	aagaacacga	gtctgtcat	58800
tgaccatcac	cacacataac	aaattaagtg	tccctttttt	gataacacgt	cattgtttca	58860
cagagtattc	ttttaaagtg	tataagttag	ctgcagttat	tattttttac	ttctgttact	58920
aattttactca	taattaggca	caatttacac	ttaagaaatt	tcttaatagt	tttttccctc	58980
ttaagggtgaa	ctacagtcag	ataacatact	tatcaattgt	ctctagctct	tgtcagaaaa	59040
acatatagat	gtgtgtgtgc	gtgtgtcttg	gcctttccaa	tgatgaatta	agatgtgcat	59100
tgagaaggca	ttcactttat	ttgacgttaa	ggaagtacca	agaagacgct	ctccacagac	59160
cctgggaaaag	ccagcagctg	caccccgagg	ctgtgccagg	cagggaacaa	ggaggcagca	59220
ccacctgctg	ggcagggaaa	atgtcctccc	agtccttccc	gcttctctgc	agaggcacaa	59280
agagctgccc	cttctcctgg	gccttctcct	gggtgatga	gattgtctcc	cgatatgcc	59340
aatcagggtt	gtgcatctga	ggctctgtct	agaactctcag	ctccttccct	ctcctgcaaa	59400
gtgaagaaaa	caatgccaa	gggtcctgga	ggcgtctcta	cccttgagga	gttttgactc	59460
tcttcaatag	tctccactac	cctgccctca	ctccatgtcc	tccgtttctc	cctaaagcgg	59520
tgccagctct	gattgcactg	tggcagggat	aacgaggggc	caggacatca	ggggagagaa	59580
gtttctacct	gagtcacagc	agcggctgcc	ctgcagactc	ctgaagacac	aagacacatt	59640
tccatcccag	agaccacagc	aaatgcaacc	tcaggctaga	gacagccagt	tattttttct	59700
tgttctgtcc	tggagaggcc	actgagaaa	tcgagcccct	tgttgaggaa	aacatgagat	59760
ctctgtgtgt	cgtcctctgc	ctgatggctg	tacctccatg	tgagtgtctc	agagatttca	59820
gaacgggggc	tgtgggtgtg	gggtgtccgt	tgtgactcat	ctctttgctt	cttgtccctg	59880
agtgtcctgc	atcagatgca	gctactggag	tcatgcccag	ggctgggtgag	gtcctcacag	59940
acctctgggc	ctggacccag	cagccctctg	ggaaggcgct	ggggcacctc	agctccaggg	60000
gcagcacaca	cttcagccca	gcctttctgg	gccaaactct	catctgtaga	gacacatcca	60060
aggcccagtt	atccctgcag	ctgagctccg	tgatggccaa	gggcagggcc	gcacattccc	60120
gtgggagaca	gaatggggac	ctcagcgtga	gcccagacac	aaacctccct	gcagggaagc	60180
acaagaccac	caggcgggcg	tccagaccac	acagcggccc	cagaagcagg	ttttaggggg	60240
cggggcagac	gtgtccgcgt	tgagtcaggt	cattggtttt	actttccctg	agcaaacggc	60300
ctctgccaa	gactcaactg	acctctcacc	ttcacagtgt	tttttttttt	ttttttaatc	60360
acctgttaga	gttttgctag	ctaattttaga	tattgaggag	tgcttcatac	ttccttgggc	60420
ctctgcttgc	agaaacatag	caattgtaa	gaggcacgtg	ggaaagcccc	ggctcggtga	60480
cccgggggat	gctgctgtgg	ccctggcaag	agggcgctcg	gccgcagtaa	caaagggtga	60540
gacggctctc	agcctgcgcc	cgcggagtac	aacacataag	ggctgtaacc	taacgaaaaa	60600
agaatcgag	tgcaactgtc	ctgcatttga	gtttgtgatc	agttttgccc	tttgtcttta	60660
acaggttcta	acataaaaatt	ttgaatgttg	gttcaagccc	tgtgggtaaa	atgcacttac	60720
ccacattcct	taaacaaata	gaacactgag	gtggaaaatgt	tttgaaaaag	tagtttttcag	60780
acatttgtaa	acaagcatca	caggatcata	acccttgaga	aaagaaaaac	aatgaacga	60840
atcctgctat	tgcctgaaa	cagctgccag	gacacacgga	aaggcttagt	gagctgagcg	60900
gacagagagc	agagttcaag	gcagcagcag	cccaggggga	ggagcaccgg	ggagcaggct	60960
gctgtgcagc	caggatgggc	cgggggtggg	cggggggaga	acagctggag	actgtccgca	61020
gggaggggga	tccctcaggt	ttggggctga	gaactgactt	atgcctgact	tatgcctgca	61080
tgaaaagaaa	ctactcgata	tcagggggaa	atcaccagaa	acctgtggac	ccaaaactac	61140
acagagccta	cacaaggaaa	gcattgtttg	tgttctccca	gccaggggtg	aaagaccttg	61200
agatatgtaa	agcttcaagc	aatcttccga	agtaatctcg	tgagtagtgg	tgccacatta	61260
attcaggact	aaaggctgct	ctgaactgaa	cctaagaaat	gcttcaagtg	tagcctggag	61320

cccgggtgca	gtggctcaca	cctgtaatcc	cagcactgtg	ggaggccgag	gcaggcggat	61380
cacttgaggt	caggactttg	agaccagcct	ggccaacatg	gcaaaacctg	tctctactaa	61440
aaacacaaaa	attagctggg	cgtggtggca	gatgcctgta	atcacctccc	acctggaccc	61500
ttccttgata	catcagaatt	acaactagag	atgagattgg	ggtggggaca	cagagccaaa	61560
ccgtatcaca	taggaaccta	aaaggataat	aaagtaggaa	aacttcccac	atcagtaacc	61620
ctttatccga	tagtaatccc	aatctgcaaa	gtaaaactgt	gtgattttac	taagataacg	61680
gaatcttctc	tacagaagga	ctttccagtg	caaaagctcc	ccaccctcac	catgaaatgc	61740
acgtgaccat	ttccaatttg	tgtaaagtcc	tcagttagta	ctgagacttc	ggaaggttag	61800
aaatcccttt	gctcatgctg	catggtccgg	atgagatgta	agaatcatta	gctaatagac	61860
atgcaacagc	ttttgtgtga	aagatgttat	gagacattta	aggtattttgc	ttgtgattac	61920
taagcattca	ttgtatcatt	ggagcacatg	tgctttttata	ccctggagaa	attccagtaa	61980
ttgaattgct	gggttgaatg	ggattttgat	ttggattaaa	tttaaactat	agatttttatt	62040
tagggaaaaac	tggcatctta	attatgttat	tggggggccc	ttgctcccag	agctcccaag	62100
atggtggcag	gccgcttcca	aaatgaccgc	aggccacttc	caagatggtg	gcaagcctca	62160
tgttctctga	cctgggggttc	ttggcctcac	ggattccaag	gaatggaagc	ttgggccatg	62220
cagtgaagtgt	tatagctcta	ttagaagccg	tgggtcacgg	aagagaaccg	tggaaaccag	62280
tgactagtgt	tcagctcgat	taggacgaac	ccaggcactt	agccgtgcag	gaacaatggc	62340
gagcattttg	cccgatcgag	agtggcaatg	ggcgccctcg	tggatcagga	gcacagcgga	62400
taccctgatg	gatccggagg	gatggaagcc	agcgggtggg	ctcccacggg	ggcaaacagc	62460
agtgggtggac	ggtgagcgaa	agcgaagctc	gagccgtaac	aaacatggac	cagaagagtg	62520
cagttgcaag	atttagtaga	gtgaagacag	agctcccata	caaagggagg	ggacccaaag	62580
agggtagctg	ttaccggctc	gaatgcctgg	gtttatatcc	cgatcattgt	ccctcccgtc	62640
gtgctctcag	gtgatagatg	attggctatt	tctttacctc	ctgcttttgc	ctaattagca	62700
tttttagtgag	ctctctttac	tatctgattg	gtcgggtgtg	agctgagttg	caagccccgt	62760
gtttaaaggt	ggaagtggtc	accttcccag	ctgggcttag	ggattccttag	tccgcctagg	62820
aaatccagct	agtccctgtc	ctcaattaca	ctgagttttc	caatccatgc	atccaatatg	62880
tgggtgatct	cttcataatg	tcatagcctc	tgagcaatgt	tttacaattt	tctgtgtaaa	62940
gaactccaca	tcgtttttatg	tttcttctaa	ggtatatcct	gattgctttt	tatgtcttca	63000
caagtttttt	cctttcaaaa	ttaattttcc	aattgttttg	tgctaatatg	ctcaaatgtc	63060
cttgatttttc	ttagtttgaa	cagtcctgtt	ttgttttggg	gatttatttt	tttttcagat	63120
tctttaagat	tttctatgtc	tataaccata	taatctctga	acagagacag	ttttgctttt	63180
tcctttcaac	ttgaggtagg	ttttctgggt	agttcaggac	gcgcaggcac	tgggtgggtg	63240
gtgttagcag	ctgcacgatg	ccttgagag	gacactctcg	ggggactgtg	gccgctgctc	63300
agctgtgacc	gttcttatag	caccagcagc	tgcggccacc	attcttatcc	aatttccaaa	63360
gccacaccac	aggccctctc	aagaacgagg	cgtggaggct	atgccctctc	ctggacacat	63420
catcattccc	aagccccacg	atgtgggccc	catgggacgc	acacctttgt	ctgtccagac	63480
ctcagcccca	cctcctcatc	ctgcaccaga	actcttcaga	gcccagtgca	tgaaatgggc	63540
taccaaggaa	atgagggtag	gttcctgaga	ggaaactggc	cctgcatttg	ggagctagga	63600
gtctgcta	tcgcctggca	gccctgtgca	gccctccgtg	gctacagtcc	accccggtgc	63660
catcagtgcc	tccttccctgt	gcaagcctgg	acctcgccct	gggctcagga	tgggctgtag	63720
accgagaatg	caggcgggaa	agtctttgtc	tatcggggcc	atagtcaggt	tctacagtga	63780
gtcagggaaa	gacctgtgga	ggtgtggatg	aggacaatgg	gtccaccatc	aacaggagga	63840
cacgggttcg	accccttgca	gaggcacagt	cccacatcac	tgggaggcag	ccacactcac	63900
tgccctgccc	tctcctcaca	cagtgcagtt	tccacgttca	cagccccagc	cagtcaccag	63960
gaatgccctg	ggggcggcct	ttccccagtg	cactccgagc	cctcccttgg	ctgtgcggtg	64020
agctccatgc	ccaggagata	tccaccata	gtcctccgga	aagcagctga	cctgccatgc	64080
cctggaacca	caaatcccca	cagatcagcc	agcctgcagt	gggccttgga	tgtgggtgag	64140
agtgggtggca	cccccggttc	caccacacag	atgcaacgcc	tgtgggtgac	gcatgtgagt	64200
actgaggagt	agagggtaga	actgtaggcc	ccgagaacca	cagaaactcg	ggtgttacac	64260
tctggggcca	tgtaaaggaga	aagtgtcact	ggacagaaac	aggccccctc	tagacactgt	64320
gtgcgccata	gtcacctgtc	attagctctc	actcttgcag	attcatgatt	gaggtggtta	64380
aaaaaaaaaa	agctcctact	caccatcca	acccctcct	ggggtgtttc	caccaccctt	64440
gggggttggg	atgagctgcc	cttgccact	gtgctctgtg	gacctccctt	tagaagctca	64500
cagctccctg	cactcggtc	catcctgcc	caccacacag	aagcaaaacc	cctctccttt	64560
ccactgcag	cttttcctgg	accagaatgc	tgacctgctg	cccttcactc	ccgaagtgg	64620
gggactgcct	gggggtgtgt	gggtgttgag	ccttcttact	ctagggacct	ggcacctggc	64680
cccaggggca	cagggatggt	gcatctgcct	agggatgcct	cctcatgcca	gggggtggg	64740
gttagtacca	tcggccctca	ggatttgttg	catgaatgag	tgaatgggtg	aataaatgaa	64800

ggggatctga	tctatgaata	agggtatata	gacttttggtt	gatgtaggac	gccaaatgct	64860
ggaatttcag	agtcatacaca	cccaggggcc	ctgcctctga	gctcctcttt	gcatccaatc	64920
tgctgaagaa	catggctcta	gggaaaccca	gttgtagacc	tgagggcccc	ggctcttcaa	64980
tgagccatct	ccgtcccggg	gccttatatc	agcaagtgc	gcacacaggc	aaatgccagg	65040
gtgtgggttc	ctgtttaaat	gtagcctccc	ccgctgcaga	actgcagagc	ctgctgaatt	65100
ctggctgacc	agggcagtc	ccagactcga	gtgccatttc	attacctctt	tctccgcacc	65160
cgacatagat	tctcactcac	ctgtgccatc	tccggggaca	gtgtctctag	caacagtgc	65220
gcttggaact	ggatcaggca	gtcccatcgc	agaggccttg	agtggctggg	aaggacatac	65280
tacaggcca	agtgggtataa	tgattatgca	gtatctgtga	aaagtcgaat	aaccatcaac	65340
ccagacacat	ccaagaacca	gttctccctg	cagctgaact	ctgtgactcc	cgaggacacg	65400
gctgtgtatt	actgtgcaag	agacacagtg	aggggaagtc	agtgtgagcc	cagacacaaa	65460
cctccctgca	gggatgctca	ggaccccaga	aggcaccag	cactaccagc	gcagggccca	65520
gaccaggagc	aggtgtggag	ttaagcaaaa	atggaacttc	ttgctgtgtc	ttaaactgtt	65580
gttgtttttt	tttttttttt	ggctcagcaa	cagagatcat	agaaaaccct	ttttcatatt	65640
tttgaaatct	gttcttagtc	taatggagat	tctctaatat	gtgacaatgt	ttttctcttg	65700
ctgttttttg	aattctttgt	ctttgacttt	tgacaacttg	acttttgaca	gtgtgcctca	65760
aagaagttct	attttgggtt	ctgtgaacct	cctggatctg	ggaagttttc	agctatgatt	65820
tcattaaacg	tgttttctac	accatttccc	tactcttttg	gaatacccat	aatgcaaata	65880
tttgttcact	taattgtgtc	ccataaatgc	tggggatttt	cttcattcct	ttttactctt	65940
tttttctttt	tattcatctg	cctgaattat	ttcaaaagat	ctgtcttcaa	cttcagaaac	66000
tcttttgctt	ggcctagtct	aatcttgaag	gtctcaattg	tacttttaat	ttcattcatt	66060
gaattcttca	actctggaat	ttctgttgg	tcttttttat	gatacttata	tctttgttga	66120
attcctcatt	caaatagataa	attgttttcc	tgatttcact	gaattttcta	tctgtacact	66180
attgtatctc	cctgagtttc	ttagagatta	tccttttgaa	ttatttttct	gacattctgt	66240
atatttcctt	atgattgggg	tctgtacttg	gagaatgact	gttgtctttt	tcaggtgtcg	66300
tgtttcctgg	ccttttcatg	ttttatgtgt	tcctacgttg	atttctacac	atctggcgga	66360
ccagtcaccc	cttgcaattt	aatggagtag	gttttgcagg	aaaagacttc	ctagtacaga	66420
cgggtctcag	ggtgtcagtg	tggcgggg	tgctggcttt	agttctaggt	tgacgcagta	66480
gcgtagtctc	catgtcgttt	cttcagctgc	cgtccacatt	ggtgacgttt	gcgagtgtct	66540
cagtggcctg	ggctgagagg	tttgtggcag	tggaagtgc	acgttgctag	aggtggactc	66600
accaggctgt	ttctgaggtc	gaggcacatg	catgcacatg	gtggattgac	caacttggtg	66660
ccaggctcac	tagggttggg	gacatggggc	tgtttctcag	gccaggatg	caaacacaag	66720
tctctttggc	tggcctgggg	gtgtggcttc	tgagggcaat	ccacagggct	gtttctcagg	66780
ttcaggacac	aagtgcacgg	ccgctcaact	ggcctgggca	tgtgtctccc	agggccaccc	66840
catgggctct	ttctcagacc	caggacatgg	ccacatggct	tcctcagctg	gcctgggtgt	66900
gtgtctgctg	gggggctgca	ggggcacagg	gttatttctc	aggccggggg	catgggcgca	66960
cagctgcttg	ctggccttata	ggagtgcctg	ccaggggtgg	cccatgatgc	tgtttctcag	67020
gcctaatttc	aggtgcagag	cctttgggca	ggtcaacggc	atacctgtgg	aaattggagt	67080
ggatgccaca	gggctatttc	tcaggtgctc	gagtggtggc	acatatccac	tctgccagcc	67140
tggagttagt	atcagggtgct	cggtggtc	ggggcctctc	ctgctcaggg	gagggccctc	67200
agcagcttgg	ccaaatcaat	ggtggattca	ccctgggcag	gcctggcagg	ctcttcctcc	67260
agctggatgt	gcagcagcag	gggttgggtt	ttttgctgtg	cagggccaga	gtcacggcca	67320
atcctcagcc	taggctctgc	acagccaggg	ttgtggcatt	cagccacca	gatatgggca	67380
tctgaagat	ggagcccca	tgctagaaag	gggcagtggc	taccagcctc	agggcaggat	67440
gcaactccaga	ggcggtccg	gtctcaaggt	ggcgctgggc	tgacgcagct	aggctcacag	67500
tggatgaatg	ggggcaggga	gtacacacct	tgtgtctcta	atctgggatc	attcctggga	67560
gctcccaaac	ttggctgagg	gcttgcaaaa	cctgtggaat	tctcctgttg	caagggctgt	67620
agatgtttgc	agtggcagtg	ggtgtggcg	ggaaatctgc	ttaccttttc	cctacatggg	67680
aagtccctcc	tgtgtccaga	ccaatccgat	ctgggtgggg	aagacaaggc	tgcaaaggcc	67740
aggtgcctcc	atgctgccct	ccgatcacca	cggtgtcggt	tccacacctc	cctgcacac	67800
cgtcagtctc	ccttcaacac	tccagtcaaa	ccttagctgt	ttcttctttg	ccttattcct	67860
tcctcatggg	gaggtgtgtg	gtgaacacca	ggcttctcta	agttcttcat	ccatcttgc	67920
gatgtcattc	tccatccagg	catgggtttt	taagaagtag	tgaatactga	aatttcagca	67980
gaggacacct	ctataaaaa	tctgcaactg	gaaaacctcc	ttaaattggc	tgattgtcat	68040
tacaattgga	ggaaaactgc	caataatttc	aaatttagaa	ggctgagact	ctataaacia	68100
agactaacia	tatgttttct	gatatttttc	cccaaaataa	tacttttcca	agacgaaaat	68160
ttttccaggg	tatataagca	catgtgctcc	aatgatacaa	caaatactta	ctaatacata	68220
gcaaataacct	taaatgtctt	ataacatctt	tcacacaaaa	gctgttgcat	gtctatttag	68280

taaaaattct	tatgtctcgt	ccagatcatg	cagcatgagc	aaagggattt	ttgaccttca	68340
aaagtctcag	tactaactga	ggactttaca	caaattggaa	atggtcacct	gcatttcatg	68400
gtgggtgggtg	ggagcttttg	cactggaaaa	tccttctgta	gagaagattc	cattatcttg	68460
gtaaaattac	atagttttat	tttgcagatt	gggattacca	actgataaag	ggttactgat	68520
gtggaagttt	tcctacttta	ttctcctatt	aggttcctat	gtgatatggg	ttggctctgt	68580
gtccccaccc	caatctcatc	tccaattgta	attcccatgt	gtccagggag	gggtccagggtg	68640
ggagtgatta	gatcaagggt	ggtttttccc	aggctgtttt	catgataggg	tgttatcatg	68700
agatatgatg	gtttaaaagt	ggcagggttcc	cctgctctct	ctctcgccctg	ctgccacata	68760
agacgtgcct	tgctttccct	tcaccttctg	ccatgattgt	aagtttcctg	aggcctcccc	68820
agccatgcgg	aactatgagt	caattaaacc	tcctctcttt	ataaattacc	cagtctcagg	68880
tagtatcttt	atagcgggtg	gaaaatggac	taatacacta	tggctttgaa	ttaataattt	68940
aaaatttgtc	agcttggcaa	taaaacatcc	tgttgacatt	tatttttttag	gtaatatattt	69000
aaattggcag	tttcattcat	gttttttacia	attcttattt	tcagggtgtt	taaggccttt	69060
gctttgaact	tggtggttcc	ttacactcca	tgctgttagt	gaagagggac	cagggttgga	69120
ggcattgggt	tggtggttgg	tcaggaaggg	cagagtgatt	tgagtagggt	ctgagtggat	69180
aatagctcat	cagtttgga	tttataaatg	accagggatg	atttaaggag	attcctgcc	69240
gacacctatg	ccatggccat	gccctatctg	gatctccagc	cgtagatga	gaacccagcc	69300
atgcggggga	gtctgttctg	tctgtcctca	gttgtaagt	gcacatgcta	ttggataatg	69360
tagaattgaa	tgatatacat	tttattatta	taattttaca	acttcctaca	ataaacttat	69420
cacctttata	catagaaaca	aatataagta	cattttccct	cccctatgtc	attttgagcc	69480
ctctctccaa	accatcctcc	cactctgcga	ctcactgtcc	tgcatltggc	tatgtctctg	69540
caagtcctgc	ttagacaagc	actcaccaga	ccacctactc	agcctccctt	cagcgccccc	69600
ctggcccacc	tgctcaaata	catgttgagt	ggtcacacac	atggactgaa	caccatctat	69660
tccatgcact	gccccagtga	ccgcaactgag	cagcaagaga	gaaatgatcg	cattagctat	69720
caattatgcc	aattcaaagt	ctggagtctt	tctcagatac	ttttcaatgt	tcaagaattg	69780
ttgattgtga	attctataacc	caatgaaact	atccttcaga	aatgagcaga	aatggatac	69840
cttctcaaat	aaacaaaaac	taaaagaatt	cttgctacaa	gatgtactct	taaagactgg	69900
ctaaaggaag	ttcttcaaac	agcaaggaaa	ttgaattgat	cttatgtcct	gcacacttgc	69960
taaatttcct	ctcaatttta	gcagcactgt	ttagattcca	taggattttc	catacaaaaca	70020
gtcatgtggg	ctatatatag	agacagattt	tcctcttttc	cagtggggat	aaatttatgt	70080
ctttttcttt	ctgtgttaca	gcaggttagga	cctccagtac	aatgttaaac	agaagtgggtg	70140
aaaacagaca	ttcttgccctg	tttcctaacg	ttggagtgtg	gtcttttact	atgggtgtcag	70200
atgttagctg	tagggttttt	ataaatgccc	ttcatcacat	tgaggaagtt	tgctcctatg	70260
cctaattttc	tgagagtctt	ttaatgtgac	actcatgcta	gaatttatta	aatgctttct	70320
gtctactaag	atgattatgc	agttcttata	ttaacatgaa	taattacatt	tatttattct	70380
ttaatatcaa	ggcaattttg	cattcctgag	acaaacccca	tttagtcac	atgtgtgtgt	70440
attgttacat	attgttggat	tcaatttcct	caaaatttgt	taagaattgt	tacatctatg	70500
tttacaagga	agatttagtct	gtagggtatt	ttttcttata	ataactttgc	ctagttttgc	70560
aatcagggtg	atgctggact	cacagaatga	gttgggaagc	tatttcctcc	tcttcatttt	70620
tctgaaagaa	tttgtataaa	attggaatta	tatcttcctt	aaaggtttgc	aagatttcat	70680
aatgaagtca	ttggccctaga	gttttctttg	tgggaaagtc	tttggttggt	tggtttgtgg	70740
tttggtgttt	tttttaagag	acacagtctc	actctgttgc	ccaggctgga	atgcagtggg	70800
gtaatcatag	ctcacagcag	cctcaacctc	ctgggctcaa	gcaatcctcc	tacctcagcc	70860
ttcagagttag	ctgggactac	gggcatgtac	caccacaccc	agctgtttgt	ttgtttgttt	70920
atcgctttgt	cttggttttg	aggtcttatt	atgttgccca	ggctgggtctt	gaactcctgg	70980
cctcaagtaa	tcctcatgcc	tcagcctccc	acagtgtctg	aattacaggc	atgagccact	71040
gcacacagac	tggtgggaaag	tttttaacta	aaaattcaat	tttctcttcc	ttttccagt	71100
agcttttccag	tgtctttcaa	ttaatgtatc	tattttatct	aagttgttga	atttattgtc	71160
aaaatttttt	taaacaatat	tcctctctta	gaggttgaac	atctgtagaa	tctgtagtga	71220
tggcacctct	taaatccctg	atcttgctca	tctgtgtcgt	ctctctttct	ctaatacagta	71280
tgccctaaagt	ttaatttcat	tgattttctt	aaaaaactgg	ttttgggttt	attgattttt	71340
ttccctagtt	ttttgtgtta	catttcattg	acttctgctc	tgataattac	tatttccttt	71400
ctactgccta	cagtaagttt	aatttgctat	tttcttagtt	tcctaaagt	gaagctaagt	71460
ttattgactt	gaggcctttc	ctctgtctgg	atgcggatat	ttgctgctaa	acatttcctt	71520
ccaacaccat	gctgtgagtt	ttagttacag	cgggcttgga	gttggcctga	gaaattctac	71580
ttaaacagct	gcacctatca	tgtaagtgat	aaatgatgta	cctgcctggc	cctcaccctt	71640
ggtcaaagaa	tgggatgtac	taatgagcaa	tggtgtgtcg	tagctgtgga	tttcaaggta	71700
ttttctgtgt	ggtttttatca	tcagcattgt	ttgttgatga	ctgcaagact	gatgatttgc	71760

acctggcctc	ggtgagatcc	ccgaaagacc	ctgcagatgg	gctgggttact	tagcagaaaa	71820
tatgacaacg	tggccagcag	gaaacaggaa	ggtacaatcg	gctgcagggtg	agctgttggg	71880
agtaagttcc	aattttccta	ttttgtat	gcattttaat	agtgcagactg	cgcttatgtt	71940
atttgtgtga	aacagcttta	ttcatagcac	tgtaatttaa	agagaaaacc	cattcatggg	72000
aacaacaaac	gacctagaca	ccaaggtagc	tcatgccatc	caaggctata	ctgtgcagt	72060
attgggaaaa	tgggcactgg	tcccagaagt	ctgatcgaca	ctctgccact	ggctagtccc	72120
gtgctggggg	gcgaggatcc	acactctgcc	actgggttagt	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	ttccgtatac	tgagagatag	taagagtaca	ttattattat	72420
ttataaagta	aactagaaag	cacatgggaa	gacaagaaga	aaacctgaat	aaacatgaat	72480
taccccat	tcctcaggag	aaaactttca	cactctgaag	gtacacaaat	tagcctacaa	72540
atttaaatgta	aagcaaatag	actgttgtag	gtaccaattc	tcaatgtcac	agtgttacat	72600
ggaaagtaaa	atacacaaga	acagcccaaa	agatggaaac	aatggacgtg	gtcaaatgac	72660
atcagtacaa	catccatatg	gtcctaagta	gccatcttta	aaatgggtta	gaaatgcctt	72720
caatcattca	cacagacaca	tgcattgaac	aaactctaag	aagtgttctt	acacgggaaa	72780
agcaagttac	agatgcatgg	gcatgatatg	gatgtagatg	tgtgtatgtg	catcccactc	72840
atacacaaaa	taccagcat	cgcccacatg	cctgctgtgt	gcgtaagtgt	gagcgagtgc	72900
acagacaaca	gcgtgcagaa	attcaaacca	agctgtgggt	acttgttacc	actgggaagg	72960
gagtcgggtca	cagagggaaa	gagaaacagg	acatcagcct	ttgacttcag	aactgttctt	73020
gccttttcac	atcctgtgct	gttttcagca	tcatcggagc	ccttaacaca	catcacggga	73080
gtaagagtgt	gttagaggga	gcattcgggtg	ggacagatat	tgccatggct	tgtggataga	73140
gttcacagtc	cttaataatc	cccagatggg	cagccaagag	ctacgttctc	aatcacgcag	73200
cttcacccca	gaaactgaca	gaaacccaac	aaccaaagg	tgtccattct	gacagcctca	73260
gcctgtgctg	gctcagatga	gcaaaaatgt	acagatatta	ataatgatgt	tgatttgaag	73320
agcacagagg	ggggtatgca	tgataagggt	ccaaatTTTT	accttaaaaa	agaatacatt	73380
tacttctcaa	tcacctacat	aacgatcatt	ttttaaaaaa	ctgatcaaat	ttggtgttac	73440
aagggcacgt	tgcaaattct	tctggctact	tttctctgac	tattctaatt	acgttaccgt	73500
gttttctcct	gtatgtgccc	gttcattgtga	atgtcatttc	tggctacttt	tctctgacta	73560
ttctaattac	gttaccgtgt	tttctcctgt	atgtgcccg	tcattgtgaat	gtcatttctg	73620
gctacttttc	tctgactatt	ctaattacat	taccgtgttt	tcctgtatgt	gcccgttcat	73680
gtgaatgtca	tttctggcta	cttttctctg	actattctaa	ttacgttacc	atggtttctc	73740
ctatatgtgc	ccgttcattgt	gaatgtcatt	tctggctact	tttctctgac	tattctaatt	73800
acgttaccgt	gttttctcct	gtatgtgccc	gttcattgtga	atgtcatttc	tggctacttt	73860
tctctgacta	ttctaattac	attaccgtgt	tttctctgat	gtgcccgttc	atgtgaatgt	73920
catccaggca	gatttcccaa	atccggcttc	ctgtaacca	gggctgaaag	agggaacggt	73980
ttcctgggaa	tcctttttgc	agtttatttt	acccggaggc	agaagccac	ggttccgtga	74040
agagtctatt	gctctccct	ctctcctttt	gtgtctctat	ttttaattga	caaaaaagca	74100
aatgtgaaga	ttcctgggg	acaatgcaaa	gtgacaatgc	ctgtctatat	tgtgggatga	74160
ttaaaacaag	gtaagtggca	tatccatcac	ctcacacact	tatcattttg	tgggtgagaac	74220
atttaaaatc	tcattcttta	gcaattttga	aatagtcatt	attgttaact	atagtcacca	74280
tgctgtgcaa	cagatcaaaa	gaactgactc	ctcccatcag	cagaaacttc	atgccctttg	74340
accagcatct	ctcctttccc	cgtccacgac	taacccccag	ccaagagaa	cagccaacac	74400
ccacctcgct	gctgccacac	gacatgtcgg	gctttgatgg	gatggagggtg	agggtgggga	74460
agacaattcc	aaagctggag	cactggcctc	acagctcaga	cactcttcta	cttatcctga	74520
gagaatgatg	tgctgagacc	aactaaacct	ccctgctct	tcccacatgg	cagaaaagag	74580
gcaacccagg	gaagccattg	ccaggacatc	atggtcaccc	aacccttggtg	cagaaaggaa	74640
gcacctgccc	aggatgccat	agcacccaac	cctcatcccc	aaggaaacac	agcccagggc	74700
accatggaca	cccaaccgtc	atccccagg	gaggacacag	cccagggcac	catggacacc	74760
caaccctcat	ccccagggga	ggacacagct	cagggtatct	tggacacca	gccctcattc	74820
ctaggggagt	acacagccca	gggcatcttg	gacatccaac	cctcatcccc	agggaaggac	74880
acagcccagg	gcatcttgga	cacccaacct	tcattcccat	aagagcacac	agcccagggc	74940
atcgtggagg	cccagacctc	atccctagg	gaggacacag	cccagggcac	catggacacc	75000
caaccctcat	ccccagggga	agacacaacc	caggccacca	ttaacacca	atcatgtgca	75060
gggagggtgt	ccttgagacc	tgggactctt	gccagtgaag	cggtggacaa	gaaactgagg	75120
atgcgatcag	cacacagaaa	tctcaggcag	cctagggatac	atgaggcctc	tcaccctg	75180
gaacactgag	cagccaccag	gagcccacac	cttgagggtac	agcaggagcc	atgcgctctt	75240

gctcttgctc	actcacactc	ctgcacacag	ccactgacac	acgccctcgt	gcacgttgca	75300
gattaactcc	actggccttg	cacttgcaac	gctggaggct	gagaggtatc	cccagggttct	75360
tttctcgtga	gaggggcagg	ctgactttca	ctctcctcca	tgtgctagag	gcagctccac	75420
caacactggc	tgccctgagt	ggatgcacct	ggctctggaa	ttcctgtcat	ttgctttgga	75480
tccaggagcc	cctgcctcat	gtagctactt	aacagaaaagg	aggaatccac	ccaggacatg	75540
cccagacggg	agcctcacag	gatggacagt	ggtgtctggg	gtcacgggca	gccctgaccc	75600
agcagcgcca	gcaccagcac	acccagtggg	gaaggcgggg	aggcccaaac	gccacccaca	75660
gtttgttact	ccactgggtg	ggacccggca	cccctgcctt	cctgacaccc	tggagtccct	75720
gcctcctcct	agagccccc	agcccatctg	cctcagagca	tccagagaca	gacctgggga	75780
gccatttcct	caggccctgg	acaaggaaaac	agggaaattcc	aggttatggg	tgccctggggc	75840
aggtctcagg	caggtgctgg	gaaccagaga	gaggggtcac	cgcgaggcct	caggcctggc	75900
accagcactt	tgagcctcag	tttaccagcc	cacgaggtgc	tgagtctgga	ctggatgacc	75960
ttccccacccc	cagtgcacctc	tgccctttcc	cgagcatgtc	agctctgctc	cagcatcctg	76020
gtgtgagcgc	aatgccactt	tttttctcaa	caaatacgaa	aggaggaagg	tgcccccagg	76080
gccctgtgcc	ctgaggatgc	ctgtgtggag	gggtccattt	catcactggt	gtcactcaca	76140
ggaagggacg	aagccacctg	ccttgacgga	gcttactcca	cctccgccga	aggccgggga	76200
ggtccctcac	agagaacctg	aggcccagca	ggctgcagag	gtgctggcat	ggaatgactg	76260
ctcagacgcc	cggggccggc	agagaggacg	gatgtggggg	aggtgcacac	tgaggagcct	76320
ctccttgagg	gtggagacac	gtgcaccaca	tggaccagga	cacagtccac	gaagcctcgc	76380
atccccctga	gctgcagctc	aagggcctct	ctctgagccc	agagtcccac	ccctgggagg	76440
cagctgcccc	agctctgagg	gaggagggca	tccaccaggc	cctccatctc	ctgggggcac	76500
cagcccagcc	cagaggctct	gcaggactct	gcacctccaa	ttcatggcca	ggactttctg	76560
gatgtatctt	aaggactgag	gactccacat	cagggaccac	acaagaccgg	ggtcccggac	76620
acgggggttg	ggggtgagca	tgtcaccggg	atgggctgtg	gcgtcactct	ggtacttcat	76680
ccggacagcc	agggacaaa	gccacgcctt	cagccccacc	ccacccttgc	ctcacatggc	76740
aacgcagggt	ctgcagatgc	aggagagtga	gaagcatggt	agccaggcag	actagaggac	76800
ccgagctggg	gttgagcacc	tccctgtcta	cccagggcac	ggcctgtgag	actgcagggt	76860
gcctagtgtg	tgctgcaggc	tcaaggctct	gccccaggga	gcatgacatt	caggcccaga	76920
aattgcatcg	tgctgcacac	agtccaaggg	gataaccctg	tgaagttcag	gtcaccagca	76980
ggcttggggt	caagaccgag	ctgcagagga	caggtttctg	gaaggcacag	catcatgggt	77040
ggagggactt	ggagcaagg	ccttagcccc	gggaccagt	aatgtgtgcc	cttataggga	77100
aaggggggtct	gtgcagaagc	aagttagctg	aaaatcatga	agtggagagg	ctccccctgga	77160
ttaaaggggt	gagcccta	gtaatcacia	gtgtccttct	aggaggttgg	cagagggaga	77220
ctgacataga	cagaagccag	gtgaggtggg	aagcggaggc	agaggccgag	agagcagacg	77280
ctacgccctg	gccctgaaga	cggaggagga	gccgagagct	cagggatgga	gagactggag	77340
gaggcaggga	agttctcccc	gcaagcctgg	agggagcatg	gcctccagca	ccccagacc	77400
ttggccctgc	aggattcatc	tggacctgtg	gtataaatgg	tgtttaagcc	actgggctgt	77460
gcaaattgtc	atagcagcca	tggcgcatte	ctagagggag	ccctgggtggg	gacccagcag	77520
gcagcgacgg	ggccctcaca	agcctgtgag	ccactcagag	ccgcgagagt	ggctaggctt	77580
ggtgaggtgc	aggccacgcg	cacctccact	aaggcagcct	tagggcccac	acttctctc	77640
tctctctctc	tctctctatc	tctctccctc	cctccttccc	tccctcccgc	tctcttggtt	77700
ggacagctct	ccatcatccc	cctggacatg	accacctccc	aaggccgagc	tggggcgctt	77760
tgctcgagg	gagcactgac	atcctggggg	tgtgaggggc	acctgcccag	cggccccgtg	77820
tgcaggatgg	gcggtggg	ctagctggca	ctgggcata	ggcccggctg	gtgcctgcag	77880
gctgcagctt	ttctgggggtg	gctgggatca	gtgaaggcct	ccagagtctg	ggcctgggat	77940
ccctgcagtg	ctggctgagg	acaggcgggg	ctgggcagtg	agggcactgg	gtcactatca	78000
ccaccacagg	tttattactt	cactaggtgg	gacctggcac	ccctgccttc	ctgacaccct	78060
ggaatccctg	cctcctccta	cagcccccaa	gcccactctc	ctcagagcct	ccagagacag	78120
acctggggag	gcatttcttc	tgccccacgc	agaagcccg	gaggccggga	aggcacagt	78180
ggtctaaagg	agaggatccc	aggactgcct	gaggggtgac	tccgacgagg	caagcataga	78240
gcccactgag	aagcgggggtg	ggagccccac	cagggatggg	ctagtctctc	atgaaggacc	78300
aggaccaggg	aaggacaagg	gggcctgctg	gggcagggtc	tgctatgccg	gagtccctgt	78360
gagcctggcc	cagacctgcc	tctctctttc	ctcattgggtc	cccacaggtc	cgtgggtggt	78420
gccgtatcgg	gaggcccat	ggtggcagg	gtgggacacc	tgggtatacgt	cgccagggtg	78480
gtccaatagg	ctcatgctca	caccttctcc	tggcacctgg	gcaaagcctg	agcaccaggg	78540
cactgaagt	agggcaaggc	ctcggggccc	cacaggatgg	ccgaggagac	agctgcagg	78600
cgctggggac	ccctgggctc	aggaggtaga	aggatacagc	ctgaaaaccc	acaccacaag	78660
ctcaccggcc	agtgcaggcc	cacagagctc	gaggaggcag	ccctgagcct	cccagggaga	78720

gatgctctgt	gcacgccggc	acaggccctg	ggttacaaac	cctaggcaca	gcccaggaga	78780
ggcccaggcc	ccagtccagc	aaggggttgc	aggaagcaag	aggtccccgg	ccacagcatg	78840
agataagccc	atcaagccag	ggccagggtg	gcaatgggag	gcaggcaggg	cttgggggtg	78900
agtccctgct	gcagcgccgt	ccactgtcga	ccggaggagt	ttcttccctg	tgcggagtcc	78960
acgggcctcc	tgtgagtgtg	tgcattgggca	caagtgtgtg	tgtggctctg	ctgtgtgtct	79020
gtacacacat	atgttttggg	tttttttgtg	tctcagacca	cagagtctgc	ccctcccacc	79080
aaagcccagg	cagaaggatg	aaccacacgc	cctggggccc	aggcctcagc	agcctctgcg	79140
ggatcattgt	tcccagttgt	cacttgcctt	tgccacagcc	ctatttctcc	acaattcctt	79200
aaagtccctca	acatgcattt	aaggcacaaa	ggtgaaactg	cccagaaaac	tctgactccg	79260
ccgtggaacc	caggagcaag	ctgggttagc	taaggagcgg	ggccgttggc	agaggctggg	79320
gatccaggct	gaacttttga	ggaggcatgt	cccagcatgg	gctcctgact	atgtcctcct	79380
gggacaaaacc	caaaccgcgt	ctttgaatat	gggagggact	ttgctggccc	cggccctgac	79440
cgcagcactt	ggaaactgag	gagtggctgc	ctcctccgtg	tcacagctgc	ccgttcacca	79500
tcatagaagc	aactctgtca	cctccatggg	ccccctctgt	gctgctgcct	gggtccaagc	79560
tgagcccagc	tgcccaggcc	cagaaggaaa	gcccaggcca	ggtgcccagc	acagaggcag	79620
tcacataccc	cggggagagc	cacagcaagc	agccaatatt	gcccaggaga	ggagtagctg	79680
acaaggcaga	acgtgagctg	ccatcggctc	gagaggcttt	gctggtcctc	ctggggctct	79740
ggacatgacc	aggaggagcg	agggaaagaag	tgcattgggt	gtcccattct	gggtggggcc	79800
tgatggcagc	tggccaccgc	tcccagagtg	gcagccagat	gccagcgcca	ttcccacagt	79860
cacatcattg	gtcacagaat	gcaggacata	gagtgtcttc	tttccatcac	agtgtctgtc	79920
agacccatag	cctagggtag	acctggaaga	ttcaatgtcc	acaccggggg	ctggagcgta	79980
gccatgagcc	acgccccctg	cccgtgcatg	gaaagccagc	ccaagctctg	ctccatccct	80040
agccaaagtc	agtgtccttt	ccccttctcc	caagtgagct	ctagccacct	gcctaccctg	80100
ccatctgagg	atgacagcct	tcattccatt	ggaacctggc	tctgccacca	gcaggcttgc	80160
agtccctggc	agactccgtc	acctctctat	gcctcagcct	ttccatctgc	acaggaggaa	80220
gatgatgatg	gtggtgatga	tgatggcgat	ggtttccctt	tgcattctgag	gcaaggacta	80280
attgagatga	tacacatcag	gcaactgggt	tggtgctggt	ccttccctgag	cactcaatct	80340
atgtgagctg	tccttgtgaa	atgggtgtca	ccacatttcc	ccacgcagaa	catcctttgt	80400
ctgccatact	tgaacgctct	gccccaatat	taacagctcc	tcattggaaga	tgtgcacacc	80460
cacccaccct	catactccca	aaggtgcccg	tgcttttatca	agccaaagtc	cagccaggaa	80520
ctttacagca	gcattccctt	ccctctccaa	gcaccaagga	gcaaggcaaa	gcactacatc	80580
ttccatctgg	aggcaatgcc	accctcttct	cccatttttca	ctgccatccc	taagaggcag	80640
tgtttcccca	aaaggttcca	tagcagcctg	cctacagcaa	ctctgttcac	acgagtttca	80700
gcattccttg	agtggctccc	ctgccatgct	gtggctcttc	attcaccctc	ttctcctgct	80760
ccccgtgaca	ggcatagatt	ctgagtgatc	tggtatcatt	gctttgttta	ataacattac	80820
agcttctgtg	ctgaaaaaga	tacagcagat	agagaaggca	attgttgaac	acaaaaatag	80880
gacagcagag	atgacggcaa	gttggcattt	ttcttttcta	gcaataaaaac	ttaaagctga	80940
ctcaaggaga	aatggaaatc	ataattggaa	cagtaatcct	caagaaagca	ttaagattat	81000
taaataattg	ccctcacaga	tgacttcagg	ccaagatggc	tttatgggtg	aagtttagac	81060
tttcacaaaa	ctaattcagtt	cccataagaa	ctgctccagg	atttgaggga	acatgggaaa	81120
gtctattaaa	gggatcacaa	ttcacagtcc	ccagagtaaa	acatgggcta	acttgcattt	81180
tggcaaagag	ccaaatgtta	taaatgacat	cctagaaggc	caaattctgt	ccatctcggt	81240
gaacaaggac	ttacaccagg	aatttagaac	tatttatagc	tcattcccacc	actcaggcca	81300
atgatgacct	atgatcatct	caccagaaat	ggaaagactc	agatgattaa	tagagtctca	81360
atttctctga	gacatctaag	agcccagccc	aagcccagac	ccaggagggc	acccaggcct	81420
ggacagagaa	cactgatatc	acaccagccc	tccagaggga	agcagagact	ccttcaagct	81480
ctggaaaacc	aggcccagac	agctgcccac	agttgggcag	gcttccactgc	aaacccaaat	81540
catgaagcta	ggtaaacacc	ttacagattc	ttacatttta	aaaatcatca	aaacaagagt	81600
aaataataaa	ctcaaataat	attaatctaa	tatgtaaagg	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	gtgtataacgt	gacagccagc	attcatgggg	tgacctcatt	tggtaaaagg	81960
gtgcaaagct	caacacgcat	tgtgagatga	ctgtgggtgta	aaattagtg	gattattccg	82020
caaacattcc	caattatact	taccgcatat	ctgtgataac	atgacagcat	tcattggggtg	82080
acctcatttg	gtaaaagggt	gcaaagctca	acacgcattg	tgagatgact	gggtgtaata	82140
caaagaccaa	actgtgaaaa	ggagtccatc	aattaatcga	tgcttacctt	cagttttggg	82200

ctaattttta	aagtatgcta	taagcatatg	ctcctgttat	aacagaatgg	agggattatg	82260
agagatgatg	caggtgtgtc	ctgggcctcc	cctggccac	tgggcctag	agatgccttc	82320
ccaggcatcg	ctgtcagggc	ttccctcaga	gggagtcctg	tattgacctc	accaccaagg	82380
tctggagcag	gggatcctta	gatattgggt	ggggttatct	caccttaggt	ctgaatatgg	82440
ggttgctcta	gactgttttg	tgctgttaga	atagaatacc	caagactggg	aaatttatac	82500
tgaacggaaa	tttattttctc	acagttctag	aggctgtgaa	gtccaagagc	acaggtgcca	82560
gagcaagtcc	aagagcaagg	gaaagtccaa	agcaagtcca	ggagcatctg	gcgaggacct	82620
tcttgctgtg	tcatacacatg	gcggaaggca	agaaagagag	caagaggggg	ccgaactcac	82680
cctttttataa	cagcaccaat	cccacccatg	aggtggggac	cttatgacct	aatcactctt	82740
catactgtta	caatggcaat	gaaattttcaa	catgagtttt	ggaggagaga	agcattcaaa	82800
ccacagcaag	ggtgctccta	cctcctctct	cagggcatct	gcagaaagag	ctgcaactgc	82860
acgtccttcc	tccgtccatc	ctccatccct	tcccaatgtc	cgtgcatatc	ctgtgaccca	82920
ggaggtctgg	catagggggg	gctcctgcct	taggtctgag	gccctgtctg	aagaggggta	82980
ggtgaggagg	ccatctgatg	gtctgggcca	agacagtcac	aggacgcac	atttatcatc	83040
aaggaggctg	agggttgagt	ctccaggctc	agggaaactcc	ccacaaagtg	ggaaccctgc	83100
ccagctccac	acagcctctg	ctgggggacc	ctgctctggt	gcagagcctg	gggacaggtc	83160
ttgagctcag	ccagagtctg	cctccctgtc	atttaggaac	taaaccaagc	ggcaggatgc	83220
tggagcccag	cccccatctg	accttacagg	gccaaaggctg	gggccctggg	ttccctcaa	83280
ggcgagcag	gactggagcc	ccaggcagtg	caggagtggc	caaagctggg	gcttctcca	83340
gagcccccaa	gcatcacggc	accaagaagg	gtaggacctc	ggcctgagga	attggacca	83400
aagccccaga	aactaccctg	gacaccatgg	agagaggcct	ggaggggaag	caccaggcac	83460
tgcctccct	tctgatccca	cctgaggtgg	ctgccaaagg	cagagagccg	ctctgatgtc	83520
ccccagccct	gcagcccagg	gatacctgta	ctgtgcccct	gggggacccc	tggccagtct	83580
gtgcaaagaa	gtcaccaccc	tacactcaga	gacagtgggg	gtcctcgtcc	cacatcctca	83640
gagcatggcc	cggctgctgc	agggatggtc	tcttggtcct	cagagcatgg	cccggctgct	83700
gcagggatgg	tctcctggtc	ctcagagcat	ggcccagctg	ctgcagggat	ggtctcctgg	83760
aggcccccca	gtgctctatt	gtcagggtc	cctccacccc	cccgcaccaa	gagagagcca	83820
gaccccagca	aggcttccag	tggcttcagg	tcacacccct	aggctgacct	cagccccatt	83880
aacacctgcc	tgagaaaagt	ccacgcacca	gaactgaccg	tctgctccaa	ctcttgacct	83940
cccgttctca	gggctgctgc	tgaaaaggct	gcaactgcac	atccttctct	cgtccgttcc	84000
cgatgtccgt	gtgtctcctg	tggccaggaa	ggtctttctc	gggacctgag	agccgctccc	84060
tgaagtgtcc	ccattgggaa	ggatggggcc	tgtgtctcca	ggctctggga	ggacagaatc	84120
ctgacctcaa	cagtggccgg	cacggacaca	actggcccca	tcccggggac	gctgaccagc	84180
gctgggcaac	ttttcccttc	cccagcact	gagccccgag	caccctccct	gctcccctac	84240
cacctccctt	tacaaggctg	tggcctctgc	acagatgata	atggagcttg	gctcattccc	84300
ctagagtccg	tagggagtta	aggacaaaac	tcagtttctc	ccacctgaac	tcaagtctgc	84360
ctatgtttac	ctaatacacac	ctggtggaca	gtttggacaa	acttgacac	tcagagacac	84420
agacacttct	agaaatcatt	atctccctgc	cccggggacc	ccactccagc	agaagtctgc	84480
taggcaactg	cctgggcoct	cctgctgtcc	taggaggctg	ctgacctcct	gcctggctcc	84540
tgtccccagg	tccagagtca	gagcagactc	cagggacgct	gcaggctagg	aagccgcccc	84600
ctccaggcca	gggtctagtg	caggtgcccc	ggacaagaaa	gattgtgaat	gcaggaatga	84660
ctggggcaca	ccccctccgt	gcacgcccc	tcttgccctg	cacccacag	cccagcccc	84720
cgtgctggat	gcccccccac	agcagaggtg	ctgttctgtg	atccccctgg	aaagacgccc	84780
tcaacctcca	ccctgtccca	cggcccaagg	aagacaagac	acaggccctc	tcctcacagt	84840
ctccccacct	ggctcctgct	gggacctca	aggtgtgaac	agggaggatg	gttgtctggg	84900
tggcccctag	gagcccagat	cttcaactca	cagaccccaa	ccaagcacc	cccttctgca	84960
gggcccagct	catccccctc	ctcctccctc	tgctctcctc	tcgtcgctc	tacgggaaat	85020
ccgggactca	gacgtaacct	tcaggaagca	gggcccaggc	gccgtttaat	aggaggcttc	85080
ctcacaatga	aacttttaga	aagccttgac	tacaatgatg	accttggtgt	ggctgtgaac	85140
actgtcagct	ccacagctg	ctgcagcaaa	aaatgtccat	agacaggggtg	ggggccggg	85200
gtcgtctgct	gtcctgctca	gcccacagca	cgcatggagg	atctgagggtg	ccacacctga	85260
cgcccaggcc	agaacatgcc	tccctccagg	gtgacctgcc	atgtcctgca	ttgctggagg	85320
gacaggggca	gcctatgagg	atctggggcc	aggagatgaa	tcctattaac	ccagaggaaa	85380
actaacagga	cccaagcacc	ctccccgttg	aagctgacct	gcccagaggg	gcctggggcc	85440
accccacaca	ccggggcgga	atgtgtacag	gccccggtct	ctgtgggtgt	tccgctaact	85500
ggggctccca	gtgctcacc	cacaactaaa	gcgagcccca	gcctccagag	ccccgaagg	85560
agatgccgcc	cacaagccca	gccccatcc	aggaggcccc	agagctcagg	gcgcccgggc	85620
agattctgaa	cagccccgag	tcacggtggg	tacaactgga	acgaccaccg	tgagaaaaac	85680

tgtgtccaaa	actgtctcct	ggccccctgct	ggaggccgcg	ccagagaggg	gagcagccgc	85740
cccgaacct	ggtcctgctc	agctcacacg	acccccagca	cccagagcac	aacggagtcc	85800
ccattgaatg	gtgaggacgg	ggaccagggc	tccagggggt	catggaaggg	gctggacccc	85860
atcctactgc	tatgggtcca	gtgctcctgg	ccagaactga	ccctaccacc	gacaagagtc	85920
cctcagggaa	acgggggtca	ctggcacctc	ccagcatcaa	cccaggcag	cacaggcata	85980
aacccccacat	ccagagccga	ctccaggagc	agagacaccc	cagtaccctg	ggggacaccg	86040
accctgatga	ctccccactg	gaatccaccc	cagagtccac	caggaccaa	gaccccgccc	86100
ctgtctctgt	ccctcactca	ggacctgctg	cggggcgggc	catgagacca	gactcgggct	86160
tagggaaacac	cactgtggcc	ccaacctcga	ccaggccaca	ggcccttcct	tcctgccctg	86220
cggcagcaca	gactttgggg	tctgtgcaga	gaggaatcac	agaggcccca	ggctgagggtg	86280
gtgggggtg	aagaccccca	ggaggtggcc	cacttccctt	cctcccagct	ggaacccacc	86340
atgaccttct	taagataggg	gtgtcatccg	aggcagggtcc	tcctatggagc	tcctttcagg	86400
ctcctccccg	gtcctcacta	ggcctcagtc	cgggtgcggg	gaatgcagcc	accacaggca	86460
caccaggcag	cccagacca	gccagcctgc	agtgcccaag	cccacattct	ggagcagagc	86520
aggctgtgtc	tgggagagtc	tgggctcccc	accgcccccc	cgcacacccc	acccaccct	86580
gtccaggccc	tatgcaggag	ggtcagagcc	ccccatgggg	tatggactta	gggtctcact	86640
cacgtggctc	ccctcctggg	tgaaggggtc	tcatgcccag	atccccacag	cagagctggt	86700
caaaggtgga	ggcagtggcc	ccagggccac	cctgacctgg	accctcagge	tcctctagcc	86760
ctggctgccc	tgtgttccct	gggaggcctg	gactccacca	gaccacaggt	ccagggcacc	86820
gcccataaggt	gctgcccaca	ctcagttcac	aggaagaaga	taagctccag	acccccaa	86880
ctgggacctg	ccttcctgcc	accgcttgta	gctccagacc	tcctgtgcctc	ccccgaccac	86940
ttacacacgg	gccaggggagc	tgttccacaa	agatcaaccc	caaaccggga	ccgcctggca	87000
ctcgggccgc	tgccacttcc	ctctccattt	gttcccagca	cctctgtgct	ccctccctcc	87060
tccttccttc	aggggaacag	cctgtgcagc	ccctccctgc	acccccacac	ctggggaggc	87120
ccaaccctgc	ctccagccct	ttctcccccg	ctgctcttcc	tgcccatcca	gacaaccctg	87180
gggtcccatc	cctgcagcct	acaccctggg	ctccacccag	acccctgtct	ctccctccag	87240
acaccctcc	caggccaacc	ctgcacatgc	aggccctccc	cttttctgct	gccagagcct	87300
cagttttctac	cctctgtgcc	tacccctgc	ctcctcctgc	ccacaactcg	agctcttcc	87360
ctcctggggc	ccctgagcca	tggcactgac	cgtgcactcc	cacccccaca	ctgcccctgc	87420
cctcaccttc	ctcctggaca	ctctgacccc	gtcctccctc	tggacccagc	cctgggtattt	87480
ccaggacaaa	ggctcaccca	agtcttcccc	atgcaggccc	ttgcccctac	tgcccgggta	87540
cacggcagcc	tcctgtgcac	agaagcaggg	agctcagccc	ttccacaggc	agaaggcact	87600
gaaagaaatc	ggcctccagc	accctgatgc	acgtccgcct	gtgtctctca	ctgcccgcac	87660
ctgcaggggag	gctcggcact	ccctgtaaa	acgagggatc	caggcagcaa	catcatggga	87720
gaatgcaggg	ctcccagaca	gccagccct	ctcgcaggcc	tctcctggga	agagacctgc	87780
agccaccact	gaacagccac	ggagcccgt	ggatagtaac	tgagtcagt	accgacctgg	87840
agggcagggg	agcagtgaac	cggagcccag	accataggga	cagagaccag	ccgctgacat	87900
cccagagccc	tactggcg	cccagaaca	ccgcgtggaa	acagaacaga	cccacattcc	87960
cacctggaac	agggcagaca	ctgctgagcc	cccagcacca	gccctgagaa	acaccaggca	88020
acggcatcag	agggggctcc	tgagaaagaa	aggaggggag	gtctccttca	ccagcaagta	88080
cttcccttga	ccaaaaacag	ggtccacgca	actccccag	gacaaaaggag	gagccccctg	88140
tacagcactg	ggctcagagt	cctctcccac	acaccctgag	tttcagacaa	aaacccccctg	88200
gaaatcatag	tatcagcagg	agaactagcc	agagacagca	agaggggact	cagtgactcc	88260
cgcggggaca	ggaggattht	gtgggggctc	gtgtcactgt	gaggatattg	tagtagtacc	88320
agctgctata	cccacagtga	cacagcccca	ttcccaaagc	cctgctgtaa	acgcttccac	88380
ttctggagct	gaggggctgg	ggggagcgtc	tgggaagtag	ggcctagggg	tggccatcaa	88440
tgcccaaaac	gcaccagact	cccccccaga	catcacccca	ctggccagt	agcagagtaa	88500
acagaaaatg	agaagcagct	gggaagcttg	cacaggcccc	aaggaaagag	ctttggcg	88560
tgtgcaagag	gggatgcggg	cagagcctga	gcagggcctt	ttgctgtttc	tgctttcctg	88620
tgcagatagt	tccataaact	ggtgttcaag	atcgatggct	gggagtgagc	ccagggagc	88680
agtgtgggaa	gggcacagg	aaggagaagc	agccgctatc	ctacactgtc	atctttcaag	88740
agtttggcct	tgcccacaa	tgtgcatca	tgggatgctt	aacagctgat	gtagacacag	88800
ctaaagagag	aatcagtga	atggatttgc	agcacagatc	tgaataaatt	ctccagaatg	88860
tggagccaca	cagaagcaag	cacaaggaaa	gtgcctgatg	caagggcaaa	gtacagtgtg	88920
taccttcagg	ctgggcacag	acactctgaa	aagccttg	aggaactccc	tgcaacaaag	88980
cagagccctg	caggcaatgc	cagctccaga	gccctccctg	agagcctcat	gggcaagat	89040
gtgcacaaca	ggtgtttctc	atagcccaa	actgagaatg	aagcaaacag	ccatctgaag	89100
gaaaacaggc	aaataaacga	tggcagggtc	atgaaatgca	aaccagaca	gccagaagga	89160

caacagtgag	ggttacaggt	gactctgtgg	ttgagttcat	gacaatgctg	agtaattgga	89220
gtaacaaagg	aaagtccaaa	aaatactttc	aatgtgattt	cttctaaata	aaattttacag	89280
ccggcaaaat	gaactatctt	cttaagggat	aaactttcca	ctaggaaaac	tataaggaaa	89340
atcaagaaaa	ggatgatcac	ataaacacag	tggtcggttac	ttctactggg	gaagggaagag	89400
ggtatgaact	gagacacaca	gggttggtcaa	gtctcctaac	aagaacagaa	caaatacatt	89460
acagtacctt	gaaaacagca	gttaaaattc	taaattgcaa	gaagaggaaa	atgcacacag	89520
ctgtgttttag	aaaattctca	gtccagcact	gttcataata	gcaaagacat	taaccccaggt	89580
tggataaata	aacgatgaca	caggcaattg	cacaatgata	cagacataca	ttcagtatat	89640
gagacattga	tgatgtatcc	ccaaagaaat	gacttttaaag	agaaaaggcc	tgatatgttg	89700
tggcactcac	ctccctgggc	atccccggac	aggctgcagg	cacactgtgt	ggcagggcag	89760
gctggtacct	gctggcagct	cctggggcct	gatgtggagc	aggcacagag	ccgtatcccc	89820
ccgaggacat	ataccccaaa	ggacggcaca	gttggtacat	tccggagaca	agcaactcag	89880
ccacactccc	aggccagagc	ccgagaggga	cgcccatgca	cagggaggca	gagcccagct	89940
cctccacagc	cagcagcacc	cgtgcagggg	ccgccatctg	gcaggcacag	agcatgggct	90000
gggaggagg	gcagggacac	caggcagggg	tggcaccaac	tgaaaattac	agaagtctca	90060
tacatctacc	tcagccttgc	ctgacctggg	cctcacctga	cctggacctc	acctggcctg	90120
gacctcacct	ggcctagacc	tcacctctgg	gcttcacctg	agctcggcct	cacctgactt	90180
ggaccttgcc	tgtcctgagc	tcacatgata	tgggcctcac	ctgacctggg	tttcacctga	90240
cctgggcttc	acctgacctg	ggcctcatct	gacctgggct	tcactggcct	ggacctcacc	90300
tggcctgggc	ttcacctggc	ctcaggcctc	atctgcacct	gctccaggct	ttgctggaac	90360
ctcagtagca	ctgaggctgc	aggggctcat	ccagggttgc	agaatgactc	tagaacctcc	90420
cacatctcag	ctttctgggt	ggaggcacct	ggtggcccag	ggaatataaa	aagcctgaat	90480
gatgcctgcg	tgatttgggg	gcaatttata	aacccaaaag	gacatggcca	tgcagcgggt	90540
agggacaata	cagacagata	tcagcctgaa	atggagcctc	agggcacagg	tgggcacgga	90600
cactgtccac	ctaagccagg	ggcagaccct	agtgtccccg	cagtagacct	gagagcgctg	90660
ggcccacagc	ctcccctcgg	tgccctgcta	cctcctcagg	tcagccctgg	acatcccggg	90720
tttccccagg	cctggcggtg	ggtttggggg	gaggtctgtg	tcactgtggt	attacgattt	90780
ttggagtgg	tattataccc	acagtgtcac	agagtccatc	aaaaacccat	ccctgggaac	90840
cttctgccac	agccctccct	gtggggcacc	gccgcgtgcc	atgttaggat	tttgactgag	90900
gacacagcac	catgggtatg	gtggctaccg	cagcagtgca	gcccgtgacc	caaacacaca	90960
gggcagcagg	cacaacagac	aagcccacaa	gtgaccaccc	tgagctcctg	cctgccagcc	91020
ctggagacca	tgaacagat	ggccaggatt	atcccatagg	tcagccagac	ctcagtccaa	91080
caggtctgca	tcgctgctgc	cctccaatac	cagtccggat	ggggacaggg	ctggcccaca	91140
ttaccatttg	ctgccatccg	gccaacagtc	ccagaagccc	ctccctcaag	gctggggccac	91200
atgtgtggac	cctgagagcc	ccccatgtct	gagtaggggc	accaggaagg	tggggctggc	91260
cctgtgcaact	gtccctgccc	ctgtgggtccc	tggcctgcct	ggccctgaca	cctgggcctc	91320
tcctgggtca	tttccaagac	agaagacatt	cccaggacag	ctggagctgg	gagtccatca	91380
tcctgcctgg	ccgtcctgag	tcctgcgcct	ttccaaacct	caccgggaa	gccaacagag	91440
gaatcacctc	ccacaggcag	agacaaagac	cttccagaaa	tctctgtctc	tctccccagt	91500
gggcaccctc	ttccagggca	gtcctcagtg	atatcacagt	gggaaccac	atctggatcg	91560
ggactgcccc	cagaacacaa	gatggcccac	agggacagcc	ccacagccca	gcccttccca	91620
gacccctaaa	aggcgtccca	ccccctgcat	ctgccccagg	gctcaaactc	caggaggact	91680
gactcctgca	cacctcctg	ccagacatca	cctcagcccc	tcctggaagg	gacaggagcg	91740
cgcaagggtg	agtcagacc	tcctgcctc	gatggcaggc	ggagaagatt	cagaaaggct	91800
tgagatcccc	aggacgcagc	accactgtca	atggggggcc	cagacgcctg	gaccaggggc	91860
tgcgtgggaa	aggcctctgg	gcacactcag	gggctttttg	tgaagggtcc	tcctactgtg	91920
tgactacagt	aactaccaca	gtgatgaacc	cagcagcaaa	aactgaccgg	actcccaagg	91980
tttatgcaca	cttctccgct	cagagctctc	caggatcaga	agagccgggc	ccaagggttt	92040
ctgcccagac	cctcggcctc	tagggacatc	ttggccatga	cagcccatgg	gctgggtgcc	92100
cacacatcgt	ctgccttcaa	acaagggtt	cagagggctc	tgaggtgacc	tcactgatga	92160
ccacaggtgc	cctggcccct	tccccaccag	ctgcaccaga	ccccgtcatg	acagatgcc	92220
cgattccaac	agccaattcc	tggggccagg	aatcgctgta	gacaccagcc	tccttccaac	92280
acctcctgcc	aattgcctgg	attcccatcc	cggttggaat	caagaggaca	gcatccccca	92340
ggctcccaac	aggcaggact	cccacaccct	cctctgagag	gccgctgtgt	tcctgtaggc	92400
caggctgcag	acagtcccc	tcacctgcca	ctagacaaat	gcctgctgta	gatgtcccca	92460
cctggaaaaat	accactcatg	gagccccag	ccccaggtag	agctgtagag	agagtctctg	92520
aggccccctaa	gaagtagcca	tgcccagttc	tgccgggacc	ctcggccagg	ctgacaggag	92580
tggacgctgg	agctgggccc	atactgggcc	acataggagc	tcaccagtga	gggcaggaga	92640

gcacatgccg	gggagcaccc	agcctcctgc	tgaccagagg	cccgtcccag	agcccaggag	92700
gctgcagagg	cctctccagg	gggacactgt	gcatgtctgg	tccctgagca	gccccccacg	92760
tccccagtc	tgggggcccc	tggcacagct	gtctggaccc	tctctattcc	ctgggaagct	92820
cctcctgaca	gccccgcctc	cagttccagg	tgtgggttatt	gtcaggggggt	gtcagactgt	92880
ggtggataca	gctatggtta	ccacagtggg	gctgcccata	gcagcaacca	ggccaagtag	92940
acaggcccc	gctgtgcagc	cccaggcctc	cagctcacct	gcttctcctg	gggctctcaa	93000
ggctgctgtt	ttctgcactc	tcccctctgt	ggggaggggt	ccctcagtgg	gagatctgtt	93060
ctcaacatcc	cacggcctca	ttcctgcaag	gaaggccaat	ggatgggcaa	cctcacatgc	93120
cgcggctaag	ataggggtgg	cagcctggcg	gggacaggac	atcctgctgg	ggtatctgtc	93180
actgtgccta	gtggggcact	ggctcccaaa	caacgcagtc	cttgccaaaa	tccccacggc	93240
ctcccccgct	aggggctggc	ctgatctcct	gcagtcctag	gaggctgctg	acctccagaa	93300
tggctccgtc	cccagttcca	gggagagagc	agatcccagg	ccggctgcag	actgggaggc	93360
cacccccctc	ttcccagggt	tcaactgcagg	tgaccagggc	aggaaatggc	ctgaacacag	93420
ggataaaccg	gccatcccc	aacagagtcc	acccccctct	gctctgtacc	ccgcaccccc	93480
caggccagcc	catgacatcc	gacaaccca	caccagagtc	actgcccggt	gctgccctag	93540
ggaggacccc	tcagccccca	ccctgtctag	aggactgggg	aggacaggac	acgccctctc	93600
cttatggttc	ccccacctgg	ctctggctgg	gacccttggg	gtgtggacag	aaaggacgct	93660
tgcttgattg	gccccagga	gcccagaact	tctctccagg	gaccccagcc	cgagcacccc	93720
cttaccagag	accagcct	gccccctctc	ccctctgctc	tctctcate	accccatggg	93780
aatccagaat	ccccaggaag	ccatcaggaa	gggtgagggt	aggaagtggg	gccactgcac	93840
caccaggcag	gaggctctgt	ctttgtgaac	ccagggaggt	gccagcctcc	tagagggtat	93900
ggtccaccct	gcctatggct	cccacagtgg	caggctgcag	ggaaggacca	gggacggtgt	93960
gggggagggc	tcagggcccc	gcgggtgctc	catcttggat	gagcctatct	ctctcaccca	94020
cggactcgcc	cacctcctct	tcacctggc	cacacgtcgt	ccacaccatc	ctaagtccca	94080
cctacaccag	agccggcaca	gccagtgcag	acagaggctg	gggtgcaggg	gggccgactg	94140
ggcagcttcg	gggagggagg	aatggaggaa	ggggagttca	gtgaagaggc	ccccctcccc	94200
tgggtccagg	atcctcctct	gggacccccg	gatcccatcc	cctccaggct	ctgggaggag	94260
aagcaggatg	ggagaatctg	tgcgggaccc	tctcacagtg	gaatacctcc	acagcggctc	94320
aggccagata	caaaagcccc	tcagtgaacc	ctccactgca	gtgctgggccc	tgggggcagc	94380
cgctcccaca	caggatgaac	ccagcacccc	gaggatgtcc	tgccaggggg	agctcagagc	94440
catgaaggag	caggatatgg	gacccccgat	acaggcacag	acctcagctc	cattcaggac	94500
tgccacgtcc	tgccctggga	ggaacccctt	tctctagtcc	ctgcaggcca	ggaggcagct	94560
gactcctgac	ttggacgcct	attccagaca	ccagacagag	gggcaggccc	cccagaacca	94620
gggatgagga	cgccccgtca	aggccagaaa	agaccaagtt	gcgctgagcc	cagcaaggga	94680
agggtcccaa	acaaaccagg	aagtthctga	agggtgtctgt	gtcacagtgg	agtatagcag	94740
ctcgtcccac	agtgcactc	gccaggccag	aaaccccatc	ccaagtcagc	ggaatgcaga	94800
gagagcaggg	aggacatggt	taggatctga	ggcgcacct	gacaccagag	ccagcagacg	94860
tctcctgtcc	acggcaccc	gccatgtcct	gcatttctgg	aagaacaagg	gcaggctgaa	94920
gggggtccag	gaccaggaga	tgggtccgct	ctaccagag	aaggagccag	gcaggacaca	94980
agccccctcc	ccattgaggc	tgacctgccc	agagggctct	gggcccaccc	aacacaccgg	95040
ggcggaatgt	gtgcaggcct	cggtctctgt	gggtgttccg	ctagctgggg	ctcacagtgc	95100
tcaccccaca	cctaaaacga	gccacagcct	ccggagcccc	tgaaggagac	cccgccaca	95160
agcccagccc	ccaccagga	ggcccagag	cacagggcgc	cccgtcggat	tctgaacagc	95220
cccagatcac	agtgggtata	actggaacta	ccactgtgag	aaaagcttcg	tccaaaacgg	95280
tctcctggcc	acagtggag	gccccgcag	agaggggagc	agccacccca	aacccatggt	95340
ctgcggctc	ccatgacccc	gtgcacctgg	agccccacgg	tgtccccact	ggatgggagg	95400
acaagggccg	ggggctccgg	cgggtcgggg	caggggcttg	atggcttct	tctgccgtgg	95460
ccccattgcc	cctggctgga	gttgaccctt	ctgacaagtg	tcctcagaga	gtcagggatc	95520
agtggcacct	cccaacatca	accccacgca	gcccaggcac	aaacccca	tccagggccca	95580
actccaggaa	cagagacacc	ccaataccct	gggggacccc	gacctgatg	actcccgctc	95640
catctctgtc	cctcacttgg	ggcctgctgc	ggggcgagca	cttgggagca	aactcaggct	95700
taggggacac	cactgtgggc	ctgacctcga	gcaggccaca	gaccttccc	tcctgccttg	95760
gtgcagcaca	gactttgggg	tctgggcagg	gaggaaacttc	tggcaggtca	ccaagcacag	95820
agcccccagg	ctgaggtggc	cccaggggga	accccagcag	gtggcccact	accttctctc	95880
ccagctggac	cccatgtctt	cccgaagata	gggggtgcat	ccaaggcagg	tcctccatgg	95940
agcccccttc	aggctcctct	ccagacccca	ctgggcctca	gtccccactc	taggaatgca	96000
gccaccacgg	gcacaccagg	cagcccaggc	ccagccaccc	tgagtgccc	aagcccacac	96060
cctggaggag	agcagggtgc	gtctgggagg	ggctgggctc	cccaccccca	ccccacctg	96120

cacacccccac	ccacccttgc	ccgggcccc	tgcaggaggg	tcagagcccc	catgggatat	96180
ggacttaggg	tctcactcac	gcacctcccc	tcctgggaga	aggggtctca	tgcccagatc	96240
ccccagcag	cgctggtcac	aggtagaggg	agtggcccca	gggccaccct	gacctggccc	96300
ctcaggctcc	tctagccctg	gctgccctgc	tgtccctggg	aggcctgggc	tccaccagac	96360
cacaggtcta	gggcaccgcc	cacactgggg	ccgcccacac	acagctcaca	ggaagaagat	96420
aagctccaga	ccccaggcc	cgggacctgc	cttgctgcta	cgacttcctg	ccccagacct	96480
cgttgccctc	ccccgtccac	ttacacacag	gccaggaagc	tgttcccaca	cagaccaacc	96540
ccagacgggg	accacctggc	actcagggtca	ctgccatttc	cttctccatt	cacttccaat	96600
gcctctgtgc	ttcctccctc	ctccttcctt	cgggggagca	ccctgtgcag	ctcctccctg	96660
cagtccacac	cctggggaga	cccgacctg	cagcccacac	cctggggaga	cctgaccctc	96720
ctccagccct	ttctcccccg	ctgctcttgc	caccacacaa	gacagccctg	gggtcctgtc	96780
cctacagccc	ccaccagtt	ctctacctag	acccgtcttc	ctccctctaa	acacctctcc	96840
caggccaacc	ctacacctgc	aggccctccc	ctccactgcc	aaagaccctc	agttttctct	96900
gcctgtgccc	acccccgtgc	tcctcctgcc	cacagctcga	gctcttcctc	tcctagggcc	96960
cctgagggat	ggcattgacc	gtgccctcgc	acccacacac	tgcccatgcc	ctcacattcc	97020
tcctggccac	tccagcccca	ctcccctctc	aggcctgggt	ctgggtatttc	tgggacaaaag	97080
ccttacccaa	gtcttttcca	tgcaggcctg	ggcccttacc	ctcactgccc	ggttacaggg	97140
cagcctcctg	tgcacagaag	cagggagctc	agcccttcca	caggcagaag	gcactgaaag	97200
aaatcggcct	ccagcgcctt	gacacacgtc	tgctgtgtgc	tctcactgcc	cgcacctgca	97260
gggaggctcg	gcactccctc	taaagacgag	ggatccaggc	agcagcatca	caggagaatg	97320
cagggtacc	agacatccca	gtcctctcac	aggcctctcc	tgggaagaga	cctgaagacg	97380
cccagtcac	ggagtctaac	accaaacctc	cctggaggcc	gatgggtagt	aacggagtca	97440
ttgccagacc	tggaggcagg	ggagcagtga	gcccagagccc	acaccatagg	gccagaggac	97500
agccactgac	atcccaagcc	actcactggg	ggccccacaa	caccccatgg	aaagaggaca	97560
gacccacagt	cccacctgga	ccagggcaga	gactgctgag	acccagcacc	agaaccaacc	97620
aagaaacacc	aggcaacagc	atcagagggg	gctctggcag	aacagaggag	gggaggctct	97680
cttcaccagc	aggcgcttcc	cttgaccgaa	gacaggatcc	atgcaactcc	cccaggacaa	97740
aggaggagcc	ccttgttcag	cactgggctc	agagtccctc	ccaagacacc	cagagtttca	97800
gacaaaaacc	ccttggaatg	cacagtctca	gcaggagagc	cagccagagc	cagcaagatg	97860
gggctcagtg	acaccgcag	ggacaggagg	atthttgtgg	ggctcgtgtc	actgtgagga	97920
tattgtacta	atgggtgtatg	ctatacccac	agtgcacacg	ccccattccc	aaagccctac	97980
tgcaaacgca	ttccacttct	ggggctgagg	ggctggggga	gcgtctggga	aatagggtct	98040
aggggtgtcc	atcaatgccc	aaaacgcacc	agactccctc	ccatacatca	cacccaccag	98100
ccagcgagca	gagtaaacag	aaaatgagaa	gcaagctggg	gaagcttgca	caggccccaa	98160
ggaaagagct	ttggcggggtg	tgtaagaggg	gatgcgggca	gagcctgagc	agggcctttt	98220
gctgtttctg	ctttcctgtg	cagagagttc	cataaactgg	tgttcgagat	caatggctgg	98280
gagtgaagccc	aggaggacag	cgtgggaaga	gcacagggaa	ggaggagcag	ccgtatcct	98340
acactgtcat	ctttcgaaaag	tttgccctgt	gcccacactg	ctgcatcatg	ggatgcttaa	98400
cagctgatgt	agacacagct	aaagagagaa	tcagtgaagat	ggatttgagc	cacagatctg	98460
aataaattct	ccagaatgtg	gagcagcaca	gaagcaagca	cacagaaaag	gcctgatgca	98520
aggacaaagt	tcagtgggca	ccttcaggca	ttgctgctgg	gcacagacac	tctgaaaagc	98580
cctggcagga	actccctgtg	acaaagcaga	accctcaggc	aatgccagcc	ccagagccct	98640
ccctgagagc	ctcatgggca	aagatgtgca	caacagggtg	ttctcatagc	cccaaactga	98700
gagcaaagca	aacgtccatc	tgaaggagaa	caggcaaaata	aacgatggca	ggttcattgaa	98760
atgcaaacc	agacagccac	aagcacaaaa	gtacagggtt	ataagcgact	ctggttgagt	98820
tcattgacaat	gctgagtaat	tggagtaaca	aagtaaactc	caaaaaatac	tttcaatgtg	98880
atttcttcta	aataaaaattt	acaccctgca	aaatgaactg	tcttcttaag	ggatacattt	98940
cccagttaga	aaaccataaa	gaaaaccaag	aaaaggatga	tcacataaac	acagtgggtg	99000
ttactttctg	tggggaagga	agagggtatg	aactgagata	cacagggtgg	gcaagtctcc	99060
taacaagaag	agaacgaata	cattacagta	ccttgaaaac	agcagttaaa	cttctaaatt	99120
gcaagaagag	gaaaatgcac	acagtgtgtg	ttagaaaatt	ctcagtccag	cactgttcat	99180
aatagcaaa	acattaaccc	aggtcggata	aataagcgat	gacacaggca	attgcacaat	99240
gatacagaca	tatatattagt	atatgagaca	tcgatgatgt	atccccaat	aaacgacttt	99300
aaagagataa	agggctgatg	tgtgggtggc	ttcacctccc	tgggatcccc	ggacaggttg	99360
caggctcact	gtgcagcagg	gcaggcgggt	acctgctggc	agttcctggg	gcctgatgtg	99420
gagcaagcgc	agggccatat	atcccggagg	acggcacagt	cagtgaattc	cagagagaag	99480
caactcagcc	acactcccca	ggcagagccc	gagagggacg	cccacgcaca	gggaggcaga	99540
gcccagcacc	tccgcagcca	gcaccacctg	cgcacggggc	accaccttgc	aggcacagag	99600

tgggtgctga	gaggaggggc	agggacacca	ggcaggggtga	gcacccagag	aaaactgcag	99660
acgcctcaca	catccacctc	agcctcccct	gacctggacc	tcactggcct	gggcctcact	99720
taacctgggc	ttcacctgac	cttggcctca	cctgacttgg	acctcgcctg	tcccaagctt	99780
tacctgacct	gggcctcaac	tcacctgaac	gtctcctgac	ctgggtttaa	cctgtcctgg	99840
aactcacctg	gccttggctt	cccctgacct	ggacctcatc	tggcctgggc	ttcacctggc	99900
ctgggcctca	cctgacctgg	acctcatctg	gcctggacct	cacctggcct	ggacttcacc	99960
tggcctgggc	ttcacctgac	ctggacctca	cctggcctcg	ggcctcacct	gcacctgctc	100020
caggtcttgc	tggagcctga	gtagcactga	gggtgcagaa	gctcatccag	ggttggggaa	100080
tgactctaga	agtctccac	atctgacctt	tctgggtgga	ggcagctggt	ggccctggga	100140
atataaaaat	ctccagaatg	atgactctgt	gatttgtggg	caacttatga	acccgaaagg	100200
acatggccat	ggggtgggta	gggacatagg	gacagatgcc	agcctgaggt	ggagcctcag	100260
gacacaggtg	ggcacggaca	ctatccacat	aagcgaggga	tagacccgag	tgtccccaca	100320
gcagacctga	gagcgctggg	cccacagcct	cccctcagag	cctgctgcc	tcctccggtc	100380
agccctggac	atcccagggt	tcccaggcc	tggcggtagg	tttagaatga	ggtctgtgtc	100440
actgtggtat	tacgatattt	tgactggtta	ttataaccac	agtgtcacag	agtccatcaa	100500
aaacccatgc	ctggaagctt	cccgccacag	ccctcccat	ggggccctgc	tgcctcctca	100560
ggtcagcccc	ggacatcccg	ggtttcccca	ggctgggcgg	taggtttggg	gtgaggtctg	100620
tgctactgtg	gtattactat	ggttcgggga	gttattataa	ccacagtgtc	acagagtcca	100680
tcaaaaaccc	atccctggga	gcctcccgcc	acagccctcc	ctgcagggga	ccggtacgtg	100740
ccatgttagg	attttgatcg	aggagacagc	accatgggta	tgggtggctac	cacagcagtg	100800
cagcctgtga	cccaaacccg	cagggcagca	ggcacgatgg	acaggcccgt	gactgaccac	100860
gctgggctcc	agcctgccag	ccctggagat	catgaaacag	atggccaagg	tcaccctaca	100920
ggtcatccag	atctggctcc	gaggggtctg	catcgtctgt	gccctcccaa	cgccagtcca	100980
aatgggacag	ggacggcctc	acagcaccat	ctgctgccat	caggccagcg	atcccagaag	101040
cccctccctc	aaggctgggc	acatgtgtgg	acactgagag	ccctcatatc	tgagtagggg	101100
caccaggagg	gaggggctgg	ccctgtgcac	tgctccctgcc	cctgtggtcc	ctggcctgcc	101160
tggccctgac	acctgagcct	ctcctgggtc	atttccaaga	cagaagacat	tcctggggac	101220
agccggagct	gggcgtcgct	catcctgccc	ggcctgcctg	agtccctgtc	atttccagac	101280
ctcaccgggg	aagccaacag	aggactcgcc	tcccacattc	agagacaaag	aaccttccag	101340
aaatccctgc	ctctctcccc	agtggacacc	ctcttccagg	acagtcctca	gtggcatcac	101400
agcggcctga	gatccccagg	acgcagcacc	gctgtcaata	ggggcccaa	atgcctggac	101460
cagggcctgc	gtgggaaagg	cctctggcca	cactcgggct	ttttgtgaag	ggccctcctg	101520
ctgtgtgact	acagtaacta	ccatagtgat	gaacccagtg	gcaaaaactg	gctggaaacc	101580
caggggctgt	gtgcacgcct	cagcttggag	ctctccagga	gcacaagagc	cgggcccaag	101640
gatttgtgcc	cagaccctca	gcctctaggg	acacctgggt	catctcagcc	tgggctggtg	101700
ccctgcacac	catcttctct	caaatagggg	cttcagaggg	ctctgagggt	acctcactca	101760
tgaccacagg	tgacctggcc	cttccctgcc	agctatacca	gacctgtct	tgacagatgc	101820
cccgattcca	acagccaatt	cctgggaccc	tgaatagctg	tagacaccag	cctcattcca	101880
gtacctcctg	ccaattgcct	ggattcccat	cctggctgga	atcaagaagg	cagcatccgc	101940
caggctccca	acaggcagga	ctcccgcaca	ccctcctctg	agaggccgct	gtgttccgca	102000
gggccaggcc	ctggacagtt	cccctcacct	gccactagag	aaacacctgc	cattgtcgtc	102060
cccacctgga	aaagaccact	cgtggagccc	ccagccccag	gtacagctgt	agagacagtc	102120
ctcgaggccc	ctaagaagga	gccatgccc	gttctgccc	gacctcggc	caggccgaca	102180
ggagtggacg	ctggagctgg	gccacactg	ggccacatag	gagctacca	gtgagggcag	102240
gagagcacat	gccggggagc	accagcctc	ctgctgacca	gaggcccgtc	ccagagccca	102300
ggaggctgca	gaggcctctc	cagggagaca	ctgtgcatgt	ctggtacct	agcagcccc	102360
cacgtcccca	gtcctggggg	cccctggctc	agctgtctgg	gccctccctg	ctccctggga	102420
agctcctcct	gacagccccc	cctccagttc	caggtgtggt	tattgtcagg	cgatgtcaga	102480
ctgtggtgga	tatagtggct	acgattacca	cagtggtgcc	gcccatagca	gcaaccaggc	102540
caagtagaca	ggcccctgct	gcgcagcccc	aggcatccac	ttcacctgct	tctcctgggg	102600
ctctcaaggc	tgctgtctgt	cctctggccc	tctgtgggga	gggttccctc	agtgggaggt	102660
ctgtgtccca	gggcagggat	gattgagata	gaaatcaaag	gctggcaggg	aaaggcagct	102720
tcccgccttg	agagggtgcag	gcagcaccac	ggagccacgg	agtcacagag	ccacggagcc	102780
cccatgttgg	gcatttgaga	gtgctgtgcc	ccgggcaggc	ccagccctga	tggggaagcc	102840
tgtcccatcc	cacagcccgg	gtcccacggg	cagcgggcac	agaagctgcc	aggttgtcct	102900
ctatgatcct	catccctcca	gcagcatccc	ctccacagtg	gggaaactga	ggcttggagc	102960
accacccggc	cccctggaaa	tgaggctgtg	agcccagaca	gtggggccag	agcactgtga	103020
gtaccccggc	agtacctggc	tgcagggatc	agccagagat	gccaaacct	gagtgaccag	103080

cctacaggag	gatccggccc	cacccaggcc	actcgattaa	tgctcaaccc	cctgccctgg	103140
agacctcttc	cagtaccacc	agcagctcag	cttctcagg	cctcatccct	gcaaggaagg	103200
tcaagggtg	ggcctgccag	aaacacagca	ccctccctag	ccctggctaa	gacagggtgg	103260
gcagacggct	gtggacggga	catattgctg	gggcatttct	caactgtcact	tctgggtggg	103320
agctctgaca	aaaacgcaga	ccctgccaaa	atccccactg	cctcccgcct	ggggctggcc	103380
tggaatcctg	ctgtccctagg	aggctgctga	cctccaggat	ggctccgtcc	ccagttccag	103440
ggcgagagca	gatcccaggc	aggctgtagg	ctgggaggcc	acccctgccc	ttgccggggg	103500
tgaatgcagg	tgcccaaggc	aggaaatggc	atgagcacag	ggatgaccgg	gacatgcccc	103560
accagagtgc	gcccccttct	gctctgcacc	ctgcaccccc	caggccagcc	cacgacgtcc	103620
aacaactggg	cctgggtggc	agccccaccc	agacaggaca	gacccagcac	cctgaggagg	103680
tcctgccagg	gggagctaag	agccatgaag	gagcaagata	tggggccccc	gatacaggca	103740
cagatgtcag	ctccatccag	gaccacccag	cccacaccc	gagaggaacg	tctgtctcca	103800
gcctctgcag	gtcgggaggc	agctgacccc	tgacttggac	ccctattcca	gacaccagac	103860
agaggcgag	gccccccaga	accagggttg	agggacgccc	cgtcaaagcc	agacaaaacc	103920
aaggggtgtt	gagcccagca	agggaaggcc	cccaaacaga	ccaggagggt	tctgaagggt	103980
tctgtgtcac	agtgggggtat	agcagcagct	ggtaccacag	tgacactcac	ccagccagaa	104040
accccatctc	aagtcagcgg	aagcagagag	agcaggggag	acacgtttag	gatctgagac	104100
tgcacctgac	accaggcca	gcagacgtct	ccctccagg	gcaccccacc	ctgtcctgca	104160
tttctgcaag	atcaggggag	gcctgagggg	gggtctagg	tgaggagatg	ggtcccctgt	104220
acaccaagga	ggagttaggc	aggtcccag	caactctccc	attgaggctg	acctgcccag	104280
agagtccctg	gccccaccca	cacaccgggg	cggaaatgtg	gcaggcctcg	gtctctgtgg	104340
gtgttccgct	agctgggggt	cacagtgtct	acccccacac	taaaatgagc	cacagcctcc	104400
ggagccccc	caggagaccc	cgcccacaag	cccagccccc	acccaggagg	ccccagagct	104460
cagggcgccc	cgctggattc	cgaacagccc	cgagtccacg	cgggtataac	cggaaccacc	104520
actgtcagaa	tagctacgtc	aaaaactgtc	cagtggccac	tgccggaggc	cccgccagag	104580
agggcagcag	ccactctgat	cccattgtct	gccggctccc	atgaccccca	gcacgcggag	104640
ccccacagt	tccccactgg	atgggaggac	aagagctggg	gattccggcg	ggtcggggca	104700
ggggcttgat	cgcatecttc	tgccgtgggt	ccagtgcctc	tggttgaggt	tgaccttct	104760
gacaagtgtc	ctcagagaga	caggcatcac	cggcgcctcc	caacatcaac	cccaggcagc	104820
acaggcacaa	acccccacatc	cagagccaac	tccaggagca	gagacacccc	aataccctgg	104880
gggaccccga	ccctgatgac	ttcccactgg	aattcgccgt	agagtccacc	aggaccaaag	104940
accctgcctc	tgctctgtgc	cctcactcag	gacctgtgtc	cgggcgaggc	cttgggagca	105000
gacttgggct	taggggacac	cagtgtgacc	ccgaccttga	ccaggacgca	gacctttcct	105060
tcctttcctg	gggcagcaca	gactttgggg	tctgggccag	gaggaaactt	tggcaggctg	105120
ccaagcacag	aggccacagg	ctgagggtgg	cctggaaaga	cctccaggag	gtggccactc	105180
cccttcctcc	cagctggacc	ccatgtctct	cccaagataa	gggtgccatc	caaggcaggt	105240
gctccttgga	gccccattca	gactcctccc	tggacccccc	tgggcctcag	tcccagctct	105300
ggggatgaag	ccaccacaag	cacaccaggc	agcccaggcc	cagccaccct	gcagtgcaca	105360
agcacacact	ctggagcaga	gcagggtgcc	tctgggaggg	gctgagctcc	ccaccccacc	105420
cccacctgca	cacccccacc	acccctgccc	agcggctctg	caggagggtc	agagccccac	105480
atgggggatg	gacttagggg	ctcactcacg	tggctcccat	catgagtga	ggggcctcaa	105540
gcccagggtc	ccacagcagc	gcctgtcgca	agtggaggca	gaggcccag	ggccaccctg	105600
acctggtccc	tgaggttcct	gcagcccagg	ctgccctgtc	gtccctggga	ggcctgggct	105660
ccaccagacc	acagggtccag	ggcaccgggt	gcaggagcca	cccacacaca	gtcacagga	105720
agaagataag	ctccagaccc	ccagggtccg	aacctgcctt	cctgctactg	cttcctgccc	105780
cagacctggg	cgccctcccc	cgtccactta	cacacaggcc	aggaagctgt	tcccacacag	105840
aacaacccca	aaccaggacc	gcctggcact	cagggtggctg	ccatttcctt	ctccatttgc	105900
tcccagcgcc	tctgtcctcc	ctggttcctc	cttcggggga	acagcctgtg	cagccagctc	105960
ctgcagccca	caccctgggg	agacccaacc	ctgcctgggg	cccttccaac	cctgctgtct	106020
ttactgcccc	cccagaaaac	tctgggggtc	tgtccctgca	gtccctaccc	tggctctccac	106080
ccagacccct	gtgtatcact	ccagacaccc	ctcccaggca	aacctgcac	ctgcaggccc	106140
tgctcctctc	tgctgctaga	gcctcagttt	ctccccctg	tggccacacc	ctacctcctc	106200
ctgcccacaa	ctctaactct	tcttctcctg	gagcccctga	gccatggcat	tgaccctgcc	106260
ctcccaccac	ccacagccca	tgcctccacc	ttcctcctgg	ccactccgac	ccgccccct	106320
ctcaggccaa	gccctgggtat	ttccaggaca	aaggctcacc	caagtctttc	ccaggcaggc	106380
ctgggctctt	gccctcactt	cccgtttaca	cgggagcctc	ctgtgcacag	aagcaggggag	106440
ctcagccctt	ccacaggcag	aaggcactga	aagaaatcgg	cctccagcac	cttgacacac	106500
gtccgcccgt	gtctctcact	gcccgcacct	gcagggaggc	tccgcactcc	ctctaaagac	106560

aagggatcca	ggcagcagca	tcacgggaga	atgcagggct	cccagacatc	ccagtccctct	106620
cacaggcctc	tcctgggaag	agacctgcag	ccaccacca	acagccacag	aggctgctgg	106680
atagtaactg	agtcaatgac	cgacctggag	ggcaggggag	cagtgcgagc	gagcccatac	106740
catagggaca	gagaccagcc	gctgacatcc	cgagctcctc	aatggtggcc	ccataacaca	106800
cctaggaaac	ataacacacc	cacagcccca	cctggaacag	ggcagagact	gctgagcccc	106860
cagcaccagc	cccaagaaac	accaggcaac	agtatcagag	ggggctccc	agaaagagag	106920
gaggggagat	ctccttcacc	atcaaagtgt	tcccttgacc	aaaaacaggg	tccacgcaac	106980
tcccccagga	caaaggagga	gccccctata	cagcactggg	ctcagagtcc	tctctgagac	107040
accctgagtt	tcagacaaca	acccgctgga	atgcacagtc	tcagcaggag	aacagacca	107100
agccagcaaa	agggacctcg	gtgacaccag	tagggacagg	aggattttgt	gggggctcgt	107160
gtcactgtga	ggatattgta	gtggtggtag	ctgctactcc	cacagtgcac	cagacccatt	107220
cccaaagccc	tactgcaaac	acaccctctc	ctggggctga	ggggctgggg	gagcgtctgg	107280
gaagtagggt	ccaggggtgt	ctatcaatgt	ccaaaatgca	ccagactccc	cgccaaacac	107340
cacccccacca	gccagcgagc	agggtaaaca	gaaaatgaga	ggctctggga	agcttgacac	107400
ggccccaag	aaagagcttt	ggcgggtgtg	caagagggga	tgcaggcaga	gcctgagcag	107460
ggccttttgc	tgtttctgct	ttcctgtgca	gagagttcca	taaactgggt	ttcaagatca	107520
gtggctggga	atgagcccag	gagggcagtc	tgtgggaaga	gcacaggga	ggaggagcag	107580
ccgctatcct	acactgtcat	ctttcaaaag	tttgccttgt	gaccacacta	ttgcatcatg	107640
ggatgcttaa	gagctgatgt	agacacagct	aaagagagaa	tcagtgcgat	gaatttgcag	107700
catagatctg	aataaactct	ccagaatgtg	gagcagtaca	gaagcaaaca	cacagaaagt	107760
gcctgatgca	aggacaaagt	tcagtgggca	ccttcaggca	ttgctgctgg	gcacagacac	107820
tctgaaaagc	cttggcagga	tctccctgcg	acaaagcaga	acccctcaggc	aatgccagcc	107880
ccagagccct	ccctgagagc	gtcatgggga	aagatgtgca	gaacagctga	ttatcataga	107940
ctcaaactga	gaacagagca	aacgtccatc	tgaagaacag	tcaaataagc	aatggtaggt	108000
tcattgcaatg	caaaccagga	cagccagggg	acaacagtag	agggtacag	gaggctttgc	108060
ggttgagttc	atgacaatgc	tgagtaattg	gagtaacaga	ggaaagccca	aaaaataactt	108120
ttaatgtgat	ttcttctaaa	taaaatttac	accaggcaaa	atgaactgtc	ttcttaagggt	108180
ataaactttc	ccctggaaaa	actacaagga	aaattaagaa	aacgatgac	acataaacac	108240
agttgtggtt	acttctactg	gggaaggga	agggtatgag	ctgagacaca	cagagtcggc	108300
aagtctccaa	gcaagcacag	aacgaataca	ttacagtacc	ttgaatacag	cagttaaact	108360
tctaaatcgc	aagaacagga	aatgcacac	agctgtgttt	agaaaattct	cagtccagca	108420
ctattcataa	tagcaaagac	attaaccag	gttgataaaa	taaatgatga	cacaggcaat	108480
tgcacaatga	tacagacata	catttagtac	atgagacatc	gatgatgtat	ccccaaagaa	108540
atgactttta	agagaaaagg	cctgatgtgt	ggtggcactc	acctccctgg	gatccccgga	108600
caggttgacg	gcacactgtg	tggcagggca	ggctggtaca	tgctggcagc	tcctggggcc	108660
tgatgtggag	caagcgcagg	gctgtatacc	cccaaggatg	gcacagtcag	tgaattccag	108720
agagaagcag	ctcagccaca	ctgcccaggc	agagcccag	agggacgccc	acgtacaggg	108780
aggcagagcc	cagctcctcc	acagccacca	ccacctgtgc	acgggccacc	accttgacag	108840
cacagagtgg	gtgctgagag	gaggggcagg	gacaccaggc	agggtgagca	cccagagaaa	108900
actgcagaag	cctcacacat	ccacctcagc	ctcccctgac	ctggacctca	cctggtctgg	108960
acctcacctg	gcctgggcct	cacctgacct	ggacctcacc	tggcctgggc	ttcacctgac	109020
ctggacctca	cctggcctcc	ggcctcacct	gcacctgctc	caggtcttgc	tggaaacctga	109080
gtagcactga	ggctgcagaa	gctcatccag	ggttggggaa	tgactctgga	actctcccac	109140
atctgacctt	tctgggtgga	ggcatctggt	ggccctggga	atataaaaag	cccagaatg	109200
gtgcctgcgt	gatttggggg	caatttatga	acccgaaagg	acatggccat	ggggtgggta	109260
gggacatagg	gacagatgcc	agcctgaggt	ggagcctcag	gacacagttg	gacgcggaca	109320
ctatccacat	aagcgaggga	cagaccgag	tgttccctga	gtagacctga	gagcgtctgg	109380
cccacagcct	cccctcggtg	ccctgctgcc	tctcagggtc	agccctggac	atcccgggtt	109440
tccccaggcc	agatggtagg	tttgaagtga	ggtctgtgtc	actgtggtat	tatgattacg	109500
tttgggggag	ttatcggtat	accacagca	tcacacggtc	catcagaaac	ccatgccaca	109560
gccctccccg	caggggaccg	ccgcgtgcca	tgttacgatt	ttgatcgagg	acacagcgcc	109620
atgggtatgg	tggctaccac	agcagtgcag	cccatgacct	aaacacacag	ggcagcaggc	109680
acaatggaca	ggcctgtgag	tgacctgct	gggctccagc	ccgccagccc	cgagagccat	109740
gaaacagatg	gccaagggtc	cccacagtt	cagccagaca	tggctccgtg	gggtctgcat	109800
cgctgctgcc	ctctaaccac	agcccagatg	gggacaaggc	caaccccaca	ttaccatctc	109860
ctgctgtcca	cccagtggtc	ccagaagccc	ctccctcatg	gctgagccac	atgtgtgaac	109920
cctgagagca	ccccatgtca	gagtaggggc	agcagaaggg	cggggctggc	cctgtgcact	109980
gtccctgcac	ccatggtccc	tcgcctgcct	ggccctgaca	cctgagcctc	ttctgagtca	110040

tttctaagat	agaagacatt	cccggggaca	gccggagctg	ggcgtcgctc	atcccccccg	110100
gccgtcctga	gtcctgcttg	tttccagacc	tcaccagggg	agccaacaga	ggactcacct	110160
cacacagtca	gagacaaaga	accttccaga	aatccctgtc	tactcccca	gtgggcacct	110220
tcttccagga	cattcctcgg	tcgcatcaca	gcaggcaccc	acatctggat	caggacggcc	110280
cccagaacac	aagatggccc	atgggggacag	ccccacaacc	caggccttcc	cagaccccta	110340
aaaggcgctc	caccccctgc	acctgcccc	gggctaataa	tccaggaggc	ttgactcccg	110400
cataccctcc	agccagacat	cacctcagcc	ccctcctgga	ggggacagga	gccccgggagg	110460
gtgagtcaga	cccacctgcc	ctcgatggca	ggcggggaag	attcagaaag	gcctgagatc	110520
cccaggacgc	agcaccactg	tcaatggggg	cccagacgc	ctggaccagg	gcctgcgtgg	110580
gaaaggccgc	tgggcacact	caggggcttt	ttgtgaaggc	ccctcctact	gtgtgactac	110640
ggtgactacc	acagtgatga	aactagcagc	aaaaactggc	cggacacca	gggaccatgc	110700
acactttctca	gcttgaggct	ctccaggacc	agaagagtca	ggtctgaggg	tttgtagcca	110760
gaccctcggc	ctctagggac	accctggcca	tcacagcgga	tgggctgggt	ccccacatgc	110820
catctgctcc	aaacaggggc	ttcagagggc	tctgaggtga	cttcaactcat	gaccacaggt	110880
gccctggccc	cttccccgcc	agctacaccg	aaccctgtcc	caacagctgc	cccagttcca	110940
acagccaatt	cctggggccc	agaattgctg	tagacaccag	cctcgttcca	gcacctcctg	111000
ccaattgcct	ggattcacat	cctggctgga	atcaagaggg	cagcatccgc	caggctccca	111060
acaggcagga	ctccgcaca	ccctcctctg	agaggccgct	gtgttcgcga	gggccaggcc	111120
ctggacagtt	cccctcacct	gccactagag	aaacacctgc	cattgtcgtc	cccacctgga	111180
aaagaccact	cgtggagccc	ccagccccag	gtacagctgt	agagagactc	cccaggggat	111240
ctaagaagga	gccatgcgca	gttctgccgg	gaccctcggc	caggccgaca	ggagtggaca	111300
ctggagctgg	gcccacactg	ggccacatag	gagctcacca	gtgaggcgag	gagagcacat	111360
gccggggagc	accagccctc	ctgctgacca	gaggcccgtc	ccagagccca	ggaggctgca	111420
gaggcctctc	cagggggaca	ctgtgcatgt	ctggctccctg	agcagcccc	cacgtcccca	111480
gtcctggggg	cccctggcac	agctgtctgg	accctccctg	ttccctggga	agctcctcct	111540
gacagccccg	cctccagttc	caggtgtggt	tattgtcagg	gggtgtcaga	ctgtgtgtgga	111600
tacagctatg	gttaccacag	tggtgctgcc	catagcagca	accaggccaa	gtagacaggc	111660
ccctgctgtg	cagccccagg	cctccacttc	acctgcttct	cctggggctc	tcaaggtcac	111720
tgttgtctgt	actctgccct	ctgtggggag	ggttccctca	gtgggaggte	tgttctcaac	111780
atcccagggc	ctcatgtctg	cacggaaggc	caatggatgg	gcaacctcac	atgccgcggc	111840
taagataggg	tgggcagcct	ggcgggggac	agtacatact	gctgggggtg	ctgtcactgt	111900
gcctagtggg	gcaactggctc	ccaaacaacg	cagtcctcgc	caaaatcccc	acagcctccc	111960
ctgctagggg	ctggcctgat	ctcctgcagt	cctaggaggc	tgctgacctc	cagaatgtct	112020
ccgtccccag	ttccaggggc	agagcagatc	ccaggccggc	tgcaactggg	gaggccaccc	112080
cctccttccc	agggttcact	ggaggtgacc	aaggtaggaa	atggccttaa	cacagggatg	112140
actgcgccat	cccccaacag	agtcagcccc	ctcctgctct	gtaccccgc	ccccccaggc	112200
cagtccacga	aaaccagggc	cccacatcag	agtcactgcc	tgcccgggcc	ctggggcgga	112260
cccctcagcc	cccacctgtg	ctagaggact	tggggggaca	ggacacaggc	cctctcctta	112320
tggttccccc	acctgcctcc	ggccgggacc	cttgggggtg	ggacagaaag	gacacctgcc	112380
taattggccc	ccaggaaccc	agaacttctc	tccagggacc	ccagcccag	caccccctta	112440
cccaggaccc	agccctgccc	ctcctccctc	ctgctcctct	ctcatcacc	catgggaatc	112500
cggtatcccc	aggaagccat	caggaagggc	tgaaggagga	agcggggccg	tgaccaccg	112560
ggcaggaggc	tccgtcttcg	tgaaccagg	gaagtgccag	cctcctagag	ggtatggtcc	112620
accctgcctg	gggctccac	cgtggcaggc	tgccgggaag	gaccagggac	ggtgtggggg	112680
agggtcagg	gcctgcggg	tgctcctcca	tcttcgggtg	gcctccccct	tcaccaccg	112740
tcccgccac	ctcctctcca	ccctggctgc	acgtcttcca	caccatcctg	agtcctacct	112800
acaccagagc	cagcaaagcc	agtgcagaca	aaggctgggg	tgaggggggg	ctgccagggc	112860
agcttcgggg	agggaaggat	ggagggagg	gaggtcagtg	aagaggcccc	cttcccctgg	112920
gtccaggatc	ctcctctggg	accccggat	cccatccctc	cctggctctg	ggaggagaag	112980
caggatggga	gaatctgtgc	gggacctctc	cacagtggaa	tatccccaca	gcggctcagg	113040
ccagacccaa	aagcccctca	gtgagccctc	cactgcagtc	ctgggcctgg	gtagcagccc	113100
ctccacagag	ggacagaccc	agcaccgcc	agaagtcctg	ccagggggag	ctcagagcca	113160
tgaagagca	ggatatgggg	tccccgatac	aggcacagac	ctcagctcca	tccaggccca	113220
ccgggaccca	ccatgggagg	aacacctgtc	tccgggttgt	gaggtagctg	gcctctgtct	113280
cggacccccc	tccagacacc	agacagagg	gcaggccccc	caaaaccagg	ggtgagggat	113340
gatccgtcaa	ggcagacaag	accaaggggc	actgacccca	gcaagggaag	gctcccaaac	113400
agacgaggag	gtttctgaag	ctgtctgtat	cacagtgggg	tatagcagtg	gctgggtacca	113460
cagtgacact	cgccaggcca	gaaaccccg	cccaagtcag	cggaagcaga	gagagcaggg	113520

aggacacgtt	taggatctga	ggccgcacct	gacacccagg	gcagcagacg	tctcccctcc	113580
agggcaccct	ccaccgtcct	gcgtttcttc	aagaataggg	gcggcctgag	ggggtccagg	113640
gccaggcgat	aggccccctc	taccccaagg	aggagccagg	caggacccga	gcaccgtccc	113700
cattgaggct	gacctgcca	gacgggcctg	ggcccccccc	acacaccggg	gcggaatgtg	113760
tgcaggcccc	agtctctgtg	ggtgttcgcg	tagctggggc	ccccagtgtc	cacccccacac	113820
ctaaagcgag	ccccagcctc	cagagccccc	taagcattcc	ccgcccagca	gccccagcccc	113880
tgccccccacc	caggaggccc	cagagctcag	ggcgccctggt	cggattctga	acagccccga	113940
gtcacagtgg	gtataactgg	aacgaccacc	gtgagaaaaa	ctgtgtccaa	aactgactcc	114000
tggcagcagt	cggaggcccc	gccagagagg	ggagcagccg	gcctgaaccc	atgtcctgcc	114060
ggttcccatg	acccccagca	cccagagccc	cacggtgtcc	ccgttgata	atgaggacaa	114120
gggctggggg	ctccggtggt	ttgcggcagg	gacttgatca	catccttctg	ctgtggcccc	114180
attgcctctg	gctggagttg	acccttctga	caagtgtcct	cagaaagaca	gggatcaccg	114240
gcacctccca	atatcaaccc	caggcagcac	agacacaaac	cccacatcca	gagccaactc	114300
caggagcaga	gacaccccaa	cactctgggg	gaccccaacc	gtgataactc	cccactggaa	114360
tccgccccag	agtctaccag	gaccaaaggc	cctgcctctg	ctctgtccct	cactcagggc	114420
ctcctgcagg	gcgagcgctt	gggagcagac	tcggtcttag	gggacaccac	tgtgggcccc	114480
aactttgatg	aggccactga	cccttccttc	ctttcctggg	gcagcacaga	ctttgggggtc	114540
tgggcaggga	agaactactg	gctggtggcc	aatcacagag	ccccagggc	gaggtggccc	114600
caagaaggcc	ctcaggaggt	ggccactcca	cttccctcca	gctggacccc	aggtcctccc	114660
caagataggg	gtgccatcca	aggcaggtcc	tccatggagc	ccccttcaga	ctcctcccgg	114720
gacccccactg	gacctcagtc	cctgctctgg	gaatgcagcc	accacaagca	caccaggaag	114780
cccaggccca	gccaccctgc	agtgggcaag	cccacactct	ggagcagagc	aggggtgcgtc	114840
tgggaggggc	taacctcccc	acccccacc	ccccatctgc	acacagccac	ctaccactgc	114900
ccagaccctc	tgcaggaggg	ccaagccacc	atgggggatg	gacttagggg	ctcactcacg	114960
tgctccccc	cctgggagaa	ggggcctcat	gcccagatcc	ctgcagcact	agacacagct	115020
ggaggcagtg	gccccagggc	caccctgacc	tggcatctaa	ggctgtctca	gcccagacag	115080
cactgccgtt	cctgggaagc	ctgggctcca	ccagaccaca	ggtccagggc	acagcccaca	115140
ggagccaccc	acacacagct	cacaggaaga	agataagctc	cagaccccag	ggcgggacct	115200
gccttcctgc	caccacttac	acacaggcca	gggagctggt	cccacacaga	tcaaccccaa	115260
accgggactg	cctggcacta	gggtcactgc	catttccctc	tccattccct	cccagtgcct	115320
ctgtgtctcc	tccttctggg	gaacaccctg	tgcagccctc	ccctgcagcc	cacacgctgg	115380
ggagacccca	ccttgccctg	ggccttttct	acctgctgca	cttgccgccc	acccaaacaa	115440
ccctgggtac	gtgaccctgc	agtcctcacc	ctgatctgca	accagacccc	tgtccctccc	115500
tctaaacacc	cctcccaggc	caactctgca	cctgcaggcc	ctccgctctt	ctgccacaag	115560
agcctcaggt	tttctacct	gtgcccaccc	cctaaccctc	cctgcccaca	acttgagttc	115620
ttcctctcct	ggagcccttg	agccatggca	ctgaccctac	actcccaccc	acacactgcc	115680
catgccatca	ccttctctct	ggacactctg	accccgctcc	cctccctctc	agacccggcc	115740
ctggtatttc	caggacaaaag	gtcaccccaa	gtcttcccca	tgcaggccct	tgccctcact	115800
gcctggttac	acgggagcct	cctgtgcgca	gaagcaggga	gtcagctct	tccacaggca	115860
gaaggcactg	aaagaaatca	gcctccagtg	ccttgacaca	cgtccgcctg	tgtctctcac	115920
tgctgcacc	tgcaggggag	ctccgcactc	cctctaaaga	tgagggatcc	aggcagcaac	115980
atcacgggag	aatgcagggc	tcccagacag	cccagccctc	tcgcaggcct	ctcctgggaa	116040
gagacctgca	gccaccactg	aacagccacg	gaggtcgctg	gatagtaacc	gagtcagtga	116100
ccgacctgga	gggcagggga	gcagtgaacc	ggagcccata	ccatagggac	agagaccagc	116160
cgctaacatc	ccgagccccct	cactggcggc	cccagaacac	cccgtggaaa	gagaaccagac	116220
ccacagtccc	acctggaaca	gggcagacac	tgctgagccc	ccagcaccag	ccccaaagaaa	116280
cactaggcaa	cagcatcaga	gggggtcctc	gagaaagaga	ggaggggagg	tctccttcac	116340
catcaaatgc	ttcccttgac	caaaaacagg	gtccacgcaa	ctccccagg	acaaaggagg	116400
agccccctgt	acagcactgg	gtcagagtc	ctctctgaga	caggctcagt	ttcagacaac	116460
aaccgcgtgg	aatgcacagt	ctcagcagga	gagccaggcc	agagccagca	agaggagact	116520
cggtgacacc	agtctcctgt	agggacagga	ggattttgtg	ggggttcgtg	tactgtgag	116580
catattgtgg	tggtgactgc	tattcccaca	gtgacacaac	ccatttccta	aagccctact	116640
gcaaacgcac	ccactcctgg	gactgagggg	ctgggggagc	gtctgggaag	tatggcctag	116700
gggtgtccat	caatgcccac	aatgcaccag	actctcccca	agacatcacc	ccaccagcca	116760
gtgagcagag	taaacagaaa	atgagaagca	gctgggaagc	ttgcacaggc	cccaaggaaa	116820
gagctttggc	aggtgtgcaa	gaggggatgt	gggcagagcc	tcagcagggc	cttttgctgt	116880
ttctgctttc	ctgtgcagag	agttccataa	actggtattc	aagatcaatg	gctgggagtg	116940
agcccaggag	gacagtgtgg	gaagagcaca	gggaaggagg	agcagccgct	atcctacact	117000

gtcatctttt	gaaagtttgc	cctgtgccca	caatgctgca	tcatgggatg	cttaacagct	117060
gatgtagaca	cagctaaaga	gagaatcagt	gaaatgcatt	tgcagcacag	atctgaataa	117120
atcctccaga	atgtggagca	gcacagaagc	aagcacacag	aaagtgcctg	atgccaaggc	117180
aaagttcagt	gggcaccttc	aggcattgct	gctgggcaca	gacactctga	aaagcactgg	117240
caggaactgc	ctgtgacaaa	gcagaaccct	caggcaatgc	cagccctaga	gcccttcctg	117300
agaacctcat	gggcaaagat	gtgcagaaca	gctgtttgtc	atagccccaa	actatggggc	117360
tggacaaagc	aaacgtccat	ctgaaggaga	acagacaaat	aaacgatggc	aggttcatga	117420
aatgcaaact	aggacagcca	gaggacaaca	gtagagagct	acaggcggct	ttgcggttga	117480
gttcatgaca	atgctgagta	attggagtaa	cagaggaaag	cccaaaaaat	acttttaatg	117540
tgattttctt	taaataaaaat	ttacacccgg	caaaatgaac	tatcttctta	agggataaac	117600
tttcccctgg	aaaaactata	aggaaaatca	agaaaacgat	gatcacataa	acacagtggg	117660
ggttacttct	actgggggaag	gaagagggtg	tgagctgaga	cacacagagt	cggcaagtct	117720
cctaacaaga	acagaacaaa	tacattacag	taccttgaaa	acagcagtta	aacttctaaa	117780
tgcgaagaag	aggaaaatgc	acacacctgt	gtttagaaaa	ttctcagtcc	agcactgttc	117840
ataatagcaa	agacattaac	ccaggttgga	taaataagcg	atgacacagg	caattgcaca	117900
atgatacaga	catacattca	gtatatgaga	catcgatgat	gtatccccaa	agaaatgact	117960
ttaaagagaa	aaggcctgat	gtgtggtggc	aatcacctcc	ctgggcatcc	ccggacaggc	118020
tgcaggctca	ctgtgtggca	gggcaggcag	gcacctgctg	gcagctcctg	gggcctgatg	118080
tggagcaggc	acagagctgt	atatccccaa	ggaaggatca	gtcagtgcac	tccagagaga	118140
agcaactcag	ccacactccc	tggccagaac	ccaagatgca	cacccatgca	cagggaggga	118200
gagcccagca	cctccgcagc	caccaccacc	tgcgcacggg	ccaccacctt	gcaggcacag	118260
agtgggtgct	gagaggaggg	gcagggacac	caggcagggt	gagcacccag	agaaaaactgc	118320
agaagcctca	cacatccacc	tcagcctccc	ctgacctgga	cctcacctgg	cctgggcctc	118380
acctgacctg	gacctcacct	ggcctgggct	tcacctggcc	tgggcttcac	ctgacctgga	118440
cctcacctgg	cctcgggcct	cacctggcct	gggcttcacc	tggcctgggc	ttcacctgac	118500
ctggacctca	cctggcctgg	gcctcacctg	acctggacct	cacctggcct	gggcttcacc	118560
tggcctgggc	ttcacctggc	ctgggcttca	cctgacctgg	acctcacctg	gcctgggctt	118620
cacctgacct	ggacctcacc	tggcctcggg	cctcacctgc	acctgctcca	ggtcttgctg	118680
gagcctgagt	agcactgagg	ctgtagggac	tcattccagg	ttgggggaatg	actctgcaac	118740
tctcccacat	ctgacctttc	tgggtggagg	cacctggtgg	cccagggaat	ataaaaaagcc	118800
ccagaatgat	gctgtgtgta	tttgggggca	atztatgaac	ccgaaaggac	atggccatgg	118860
ggtgggtagg	gacagtaggg	acagatgtca	gcctgagggtg	aagcctcagg	acacagggtg	118920
gcatggacag	tgtccacctc	agcgagggac	agacccgagt	gtccctgcag	tagacctgag	118980
agcgctgggc	ccacagcctc	ccctcggggc	cctgctgcct	cctcagggtc	gccctggaca	119040
tcccgggttt	cccagggcct	ggcggtagg	ttgaagtga	gtctgtgtca	ctgtggtatt	119100
actatgatag	tagtggttat	tactaccaca	gtgtcacaga	gtccatcaaa	aactcatgcc	119160
tgggagcctc	ccaccacagc	cctccctgcg	ggggaccgct	gcatgccgtg	ttaggatttt	119220
gatcgaggac	acggcgccat	gggtatggtg	gctaccacag	cagtgcagcc	catgacccaa	119280
acacacgggg	cagcagaaac	aatggacagg	cccacaagtg	accatgatgg	gctccagccc	119340
accagcccca	gagaccatga	aacagatggc	caaggtcacc	ctacagggtc	tccagatctg	119400
gctccaaggg	gtctgcatcg	ctgctgcctc	cccaacgcca	aaccagatgg	agacaggggc	119460
ggccccatag	caccatctgc	tgcctgccac	ccagcagtc	cgggaagcccc	tccctgaacg	119520
ctgggcccag	tgtgtgaacc	ctgcgagccc	cccatgtcag	agtaggggca	gcaggagggc	119580
ggggctggcc	ctgtgcaactg	tcactgcccc	tgtggtccct	ggcctgcctg	gccctgacac	119640
ctgagcctct	cctgggtcat	ttccaagaca	ttcccaggga	cagccggagc	tgggagtcgc	119700
tcatoctgcc	tggctgtcct	gagtcctgct	catttccaga	cctcaccagg	gaagccaaca	119760
gaggactcac	ctcacacagt	cagagacaac	gaaccttcca	gaaatccctg	tttctctccc	119820
cagttagaga	aacctcttct	cagggtttct	cttctctccc	accctcttcc	aggacagtcc	119880
tcagcagcat	cacagcgga	acgcacatct	ggatcaggac	ggcccccaga	acacgcgatg	119940
gccccagggg	acagcccagc	ccttcccaga	cccataaaag	gtatccccac	cttgacactg	120000
ccccagggct	caaactccag	gaggcctgac	tctgcacac	cctcctgcca	gatattcacct	120060
cagccccctc	ctggagggga	caggagcccg	ggaggggtgag	tcagaccac	ctgcctcaa	120120
tggcaggcgg	ggaagattca	gaaaggcctg	agatccccag	gacgcagcac	cactgtcaat	120180
ggggggccca	gacgcctgga	ccagggcctg	tgtgggaaag	gcctctggcc	acactcaggg	120240
gctttttgtg	aagggcctc	ctgctgtgtg	actacggtgg	taactcccac	agtgatgaaa	120300
ccagcagcaa	aaactgaccg	gactcgcagg	gtttatgcac	acttctcggc	tcggagctct	120360
ccaggagcac	aagagccagg	cccagggtt	tgtgcccaga	ccctcggcct	ctagggacac	120420
ccggggccatc	ttagccgatg	ggctgatgcc	ctgcacaccg	tgtgctgcca	aacaggggct	120480

tcagagggct	ctgaggtgac	ttcactcatg	accacaggtg	ccttggtccc	ttcactgcca	120540
gctgcaccag	accctgttcc	gagagatgcc	ccagttccaa	aagccaattc	ctggggccgg	120600
gaattactgt	agacaccagc	ctcattccag	tacctcctgc	caattgcctg	gattcccac	120660
ctggctggaa	tcaagagggc	agcatccgcc	aggctcccaa	caggcaggac	tcccacacac	120720
cctcctctga	gaggccgctg	tggtccgcag	ggccaggccg	cagacagttc	ccctcacctg	120780
cccatgtaga	aacacctgcc	attgtcgtcc	ccacctggca	aagaccactt	gtggagcccc	120840
cagccccagg	tacagctgta	gagagagtcc	tcgaggcccc	taagaaggag	ccatgcccag	120900
ttctgcccgg	accctcggcc	aggccgacag	gagtggacgc	tggagctggg	cccacactgg	120960
gccacatagg	agctcaccag	tgagggcagg	agagcacatg	ccggggagca	cccagcctcc	121020
tgctgaccag	agaccctgcc	cagagcccag	gaggctgcag	aggcctctcc	agggggacac	121080
agtgcattgt	tggtccctga	gcagccccca	ggctctctag	caactggggg	ccctggcaca	121140
gctgtctgga	ccctccctgt	tccttgaggaa	gctcctcctg	acagccccgc	ctccagttcc	121200
aggtgtggtt	attgtcaggg	ggtgccaggc	cgtggttagag	atggctacaa	ttaccacagt	121260
ggtgccgccc	atagcagcaa	ccaggccaag	tagacagacc	cctgccacgc	agccccaggc	121320
ctccagctca	cctgcttctc	ctggggctct	caaggctgct	gtctgccctc	tggccctctg	121380
tggggagggt	tcctcagtg	ggaggtctgt	gtccaggggc	agggatgact	gagatagaaa	121440
tcaaaggctg	gcagggaaag	gcagcttccc	gccctgagag	gtgcaggcag	caccacagag	121500
ccatggagtc	acagagccac	ggagccccca	gtgtgggcgt	gtgagggtgc	tgggctcccg	121560
gcaggcccag	ccctgatggg	gaagcctgcc	cgctcccaca	gcccagggtc	ccaggggcag	121620
caggcacaga	agctgccaag	ctgtgctcta	cgatcctcat	ccctccagca	gcattccactc	121680
cacagtgggg	aaactgagcc	ttggagaacc	accagcccc	ctggaaacaa	ggcggggagc	121740
ccagacagtg	ggcccagagc	actgtgtgta	tcctggcact	aggtgcaggg	accacccgga	121800
gatccccatc	actgagtggc	cagcctgcag	aaggacccaa	cccccaaccag	gccgcttgat	121860
taagctccat	ccccctgtcc	tgggaacctc	ttcccagcgc	caccaacagc	tcggcttccc	121920
aggccctcat	ccctccaagg	aaggccaaag	gctgggcctg	ccaggggcac	agtaccctcc	121980
cttgccctgg	ctaagacagg	gtgggcagac	ggctgcagat	aggacatatt	gctggggcat	122040
cttgctctgt	gactactggg	tactggctct	caacgcagac	cctacaaaa	tccccactgc	122100
ctccctgct	aggggctggc	ctggtctcct	cctgctgtcc	taggaggctg	ctgacctcca	122160
ggatggcttc	tgtccccagt	tctagggcca	gagcagatcc	caggcaggct	gtaggctggg	122220
aggccacccc	tgtccttgcc	gaggttcagt	gcaggcaccc	aggacaggaa	atggcctgaa	122280
cacagggatg	actgtgccat	gccctacctc	agtcgcgcgc	tttctactct	gcaacccccca	122340
ctccccaggt	cagcccattga	cgaccaacaa	cccaacacca	gagtcactgc	ctggccctgc	122400
cctggggagg	acccctcagc	ccccaccctg	tctagaggag	ttggggggac	aggacacagg	122460
ctctctcctt	atggttcccc	cacctggctc	ctgccgggac	ccttgggggtg	tggacagaaa	122520
ggacgcctgc	ctaattggcc	cccaggaacc	cagaacttct	ctccagggac	cccagcccga	122580
gcacccctt	accagggacc	cagccctgcc	cctcctcccc	tctgctctcc	tctcatcact	122640
ccatgggaat	ccagaatccc	caggaagcca	tcaggaaggg	ctgaaggagg	aagcggggcc	122700
gctgcaccac	cgggcaggag	gctccgtctt	cgtgaaccca	gggaagtgc	agcctcctag	122760
agggtatggt	ccaccctgcc	tggggctccc	accgtggcag	gctgcgggga	aggaccaggg	122820
acggtgtggg	ggagggtcca	gggccctgca	ggtgctccat	cttggatgag	cccatccctc	122880
tcacccaccg	acccgcccac	ctcctctcca	ccctggccac	acgtcgtcca	caccatcctg	122940
agtcccacct	acaccagagc	cagcagagcc	agtgcagaca	gaggctgggg	tgcagggggg	123000
ccgccagggc	agctttgggg	agggaggaat	ggaggaaggg	gaggtcagtg	aagaggcccc	123060
cctcccctgg	gtctaggatc	cacctttggg	acccccggat	cccatccctc	ccaggctctg	123120
ggaggagaag	caggatggga	gattctgtgc	aggaccctct	cacagtggaa	tacctccaca	123180
gcggctcagg	ccagatacaa	aagccctcca	gtgagccctc	caactgcagt	cagggcctgg	123240
gggcagcccc	tcccacagag	gacagaccca	gcaccccgaa	gaagtcctgc	cagggggagc	123300
tcagagccat	gaaggagcaa	gatatgggga	cccaataact	ggcacagacc	tcagctccat	123360
ccaggcccac	caggaccac	catgggtgga	acacctgtct	ccggcccttg	ctggctgtga	123420
ggcagctggc	ctctgtctcg	gacccccatt	ccagacacca	gacagaggga	caggcccccc	123480
agaaccagt	ttgagggaca	cccctgtcca	gggcagccaa	gtccaagagg	cgcgctgagc	123540
ccagcaagg	aaggcccca	aacaaaccag	gaggtttctg	aagctgtctg	tgtcacagtc	123600
gggtatagca	gcggctacca	caatgacact	gggcaggaca	gaaaccccat	cccaagtcat	123660
ccgaaggcag	agagagcagg	caggacacat	ttaggatctg	aggccacacc	tgacactcaa	123720
gccaacagat	gtctccctc	cagggcgccc	tgccctgttc	agtgttcctg	agaaaacagg	123780
ggcagcctga	ggggatccag	ggccaggaga	tgggtcccct	ctaccccgag	gaggagccag	123840
gcgggaatcc	cagccccctc	ccattgagg	ccatcctgcc	cagagggggc	cggacccacc	123900
ccacacaccc	aggcagaatg	tgtgcaggcc	tcaggctctg	tgggtgccgc	tagctggggc	123960

tgccagtcct	cacccccacac	ctaaggtgag	ccacagccgc	cagagcctcc	acaggagacc	124020
ccacccagca	gcccagcccc	tacccaggag	gcccagagc	tcagggcgcc	tgggtggatt	124080
ctgaacagcc	ccgagtcacg	gtgggtatag	tgggagctac	taccactgtg	agaaaagcta	124140
tgtccaaaac	tgtctcccgg	ccactgctgg	aggcccagcc	agagaaggga	ccagccgccc	124200
gaacatacga	ccttcccaga	cctcatgacc	cccagcactt	ggagctccac	agtgtcccca	124260
ttggatggtg	aggatggggg	ccggggccat	ctgcacctcc	caacatcacc	cccaggcagc	124320
acaggcacaa	accccaaadc	cagagccgac	accaggaaca	cagacacccc	aataccctgg	124380
gggaccctgg	ccctggtgac	ttcccactgg	gatccacccc	cgtgtccacc	tggatcaaag	124440
accccaccgc	tgtctctgtc	cctcactcag	ggcctgctga	ggggcgggtg	cttttgagca	124500
gactcaggtt	tagggggccac	cattgtgggg	cccaacctcg	accaggacac	agatttttct	124560
ttcctgccct	ggggcaacac	agactttggg	gtctgtgcag	ggaggacctt	ctggaaagtc	124620
accaagcaca	gagccctgac	tgaggtgggtc	tcaggaagac	cccaggagg	gggcttgtgc	124680
cccttcctct	catgtggacc	ccatgcccc	caagatagg	gcatcatgca	gggcaggctc	124740
tccatgcagc	caccactagg	caactccctg	gcgcgggtcc	ccactgcgc	tccatcccgg	124800
ctctggggat	gcagccacca	tggccacacc	aggcagcccc	ggtccagcaa	ccctgcagtg	124860
cccaagccct	tggcaggatt	cccagaggct	ggagcccacc	cctcctcate	ccccacacc	124920
tgcacacaca	cacctacccc	ctgcccagtc	cccctccagg	agggttggag	ccgcccatag	124980
ggtgggggct	ccaggtctca	ctcactcgct	tcccttccctg	ggcaaaggag	cctcgtgccc	125040
cgggtccccc	tgacggcgct	gggcacaggt	gtgggtactg	ggccccagg	ctcctccagc	125100
cccagctgcc	ctgctctccc	tgggaggcct	gggcaccacc	agaccaccag	tccagggcac	125160
agccccagg	agccgcccc	tgccagctca	caggaagaag	ataagcttca	gaccctcagg	125220
gccgggagct	gccttccctg	caccccttcc	tgccccagac	ctccatgccc	tcccccaacc	125280
acttacacac	aagccaggga	gctgtttcca	cacagttcaa	ccccaaacca	ggacggcctg	125340
gcactcgggt	cactgccatt	tctgtctgca	ttcgctccca	gcgcccctgt	gttccctccc	125400
tcctccctcc	ttccttttct	cctgcattgg	gttcatgccg	cagagtgcc	ggtgcaggtc	125460
agccctgagc	ttgggggtcac	ctcctcactg	aaggcagcct	cagggtgccc	aggggcaggc	125520
agggtggggg	tgaggcttcc	agctccaacc	gctccactag	ccgagactaa	ggaagtgaga	125580
ggcagccaga	aatccagacc	attccatagc	aaatggattt	cattaaagtt	accagacttc	125640
agtgtaaagta	acatgagccc	catgcacaac	aatcccttat	gaaggggaag	tcagtgtcgc	125700
ctcggatttc	ttgaaaaaca	caaaaactta	tcaatgcctg	taaaagtctg	ttggaaagaa	125760
aatatgattc	aagaatgtta	tgcccacaac	agctggcata	ttttctaccc	ggacacactc	125820
agggaatgtg	gtcccttgag	tgttctctc	actgcgtaaa	tcctacgtgg	tgtttaagca	125880
tattcataaa	tgtgtatgtc	tatttttatg	tgtaaagtgg	ttcattttta	ttttatttat	125940
tcaatatgta	caataaagaa	tattgacaaa	taggctggac	atggtggctc	ccacctgtaa	126000
tcccagccct	ttggggaggcc	gaggcgggca	gatcacctga	ggtctggagt	tcgagaccag	126060
cctggccaac	atgatgaaaa	cccatctcta	ctaaaaatac	aaagattagc	caggcatggt	126120
ggtgcatgcc	tgtaatccca	gccactcagg	aggctgagac	aggagaaatg	cgtgaacccg	126180
gaaggcggag	gttgacagtga	gccgagatca	caccactgca	ctccagcctg	gcgacagagc	126240
aagattccat	ctcaaaaaaa	aaaaaagaca	aagaaatttg	tttttttgaa	taaagacaaa	126300
tttcatcaca	cgaagataaa	gatgcaaagc	tccagacagg	aaggcacgga	cagcacagtg	126360
aagcccggag	cgggcgctgg	ggggccagg	gcatggcggg	ggtgccagcg	tctctcggtt	126420
cctaccatgg	ccactccagc	ctgtgttctc	acgaggatgg	ctgtgcaatg	ctaggagcgt	126480
gttcgaagct	ctagggcaac	cactggaagt	gaggctgagg	agcagagccc	agaggcccgt	126540
ggagctgatg	aaaagaaaagc	tggagaaagt	gtttgctgcc	tccaacatg	gtaagaaaag	126600
atagaaaagag	agagcacacg	gcaaagggag	cttgctgagg	gactctttac	aatggcttgc	126660
acagagctca	gggggtctgg	gaggctaggg	ccctgcgcag	ggcagtcacc	ccagcctgct	126720
gaccaagggt	tgctgcaggc	agctctggg	gtgggtgagg	gcggtccct	ggagccacc	126780
ctcaagggaa	cgaggcagca	gagtgggcca	aggcccaggt	cggctgcaag	gctgcccagg	126840
acttggggtc	cttacatcag	cagccactga	tgcagctggc	ccagagagag	gcgcccagca	126900
ggttgcctcc	aggggacaaa	ccaggtcgga	gagggtgagg	cagtggatgg	agccacaaca	126960
accccgggca	cgggtgacac	gcacgttcat	gcacatctga	cccttccctc	ctcaccaaac	127020
agggtccccc	gccttcccca	tggttgcgaa	aaagcaaaat	gtagacgttt	tttctttttt	127080
aattcatggt	ttaattgaca	aatgaagccg	tatatattta	ttgtgtacaa	catgatgctt	127140
taaaatatgt	atacatcggt	gaacagcaac	gttgagctaa	tttaacacgc	attacttcac	127200
atacttgtca	tcttttgtgg	cgagaatgct	taaaatccac	tctcttagta	ttttttaaga	127260
atgcaataca	ttgttgtcaa	ctgtggtcac	cgtcatgcat	agccaagctc	ccgacctcac	127320
cctcctgcc	gctcaggctg	tgcaccttt	caccagcatc	ccccaccccg	gcccctggcc	127380
ctggtaacta	ccactctata	ctctacgtat	gagttcagct	ttttaagatt	ccacagatga	127440

atgagatcat	acagtatttg	ctttctatgc	ctggcttatt	ttagttaaca	cactgtcctc	127500
cagatccatc	cgttggttgca	aatgacaggg	tttcattctt	tttaaagtct	aaagagtatt	127560
ccattgtgtc	aatggacctc	atgtgcttta	tccatgcatc	aactatggac	athtaggttg	127620
attccatttc	ttagctgttg	tggatgggtc	tgcagtaaac	atggggctgc	agatgtctct	127680
tcaacatact	gacatcatgt	cctttggata	aatacccagt	agtgggatcg	ctggatcaca	127740
atgtacagtt	ttttttttaa	tggaaacttt	catttttttg	tgaaattagg	aaaacagata	127800
aaacccacag	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
cctgcaaatg	caatgaccag	cacaggacct	agaataaaga	gagttgccag	cggacgcctg	128100
gtgtccatgt	gtccaggtga	gttcgagatg	cggacggcgc	tggccagcca	gtcacaccct	128160
aagtcaatct	gctgcatgca	tttgtccttg	ccacagcaga	aaacgagaaa	gcctttgggc	128220
tgcaaagctt	cacaggctcc	tcttctcccg	actccatgga	aacagctaca	aagagcaggc	128280
ccagtagagc	ttaattcatg	aaaatgagta	ataaacttga	actggaacag	tatcgacttt	128340
ttagaaacgg	cagcaaagtg	tataaaaaat	attcaccaga	acaatatttc	caaacgatga	128400
gatgagaatt	tcagccaagt	aatcctccat	ggatagaaaa	taatgaaggg	attggattta	128460
tgaaggaaaa	tcatggagct	caaatacaag	aaaagagaat	caaaaatgaa	caggaggaga	128520
taaaatatgg	tttggccaaa	gttacaaaat	aaatttttta	aaaacccttc	atcatggcaa	128580
gtagaaagag	cgagaggaaa	aacagatccc	gtggaagaca	caaataggac	atggggagaa	128640
aatgaatga	gatgaaacag	agcagaaata	aaatttttac	gaactaaaga	caagtgatct	128700
gaacctgcct	ggggcctggg	ggacctcgcc	accctgaagg	gaaagaacat	gcctggctgg	128760
ctttgccacc	tgctcattgc	agagccccac	agcttgcaac	aaacataggc	ggtagccagg	128820
gagtggttac	agcaggcctt	gagcaagacc	cagtgttgtg	ctgacttcag	gtctgacca	128880
gcactgtcat	agtgggtgtg	tccatagtgg	tagtgggggt	gcttgtgtca	ctccaccccc	128940
atctccagga	ggctcagaac	agacagagag	agactccatt	tgtttgggag	aaagtaaggg	129000
atgagaacaa	gagtctctgc	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	gataaaattt	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	tttaaaaaga	129900
tcctaaaagc	agcaaaaagaa	aagaaatgaa	taaaatacta	tggagctcca	atatgtctgg	129960
cagcagactt	ttcagtgaag	acttttatatg	ccaggagaga	gtgtcataat	ggattttaag	130020
tgctgaagga	aaaaactttt	accctcgaa	agtatagctg	gtgaaattat	ccctcaaaca	130080
tgaaggagaa	ataatttggt	tccagacaaa	tggttaggga	tttcatgaac	ccagagacctg	130140
tcttttaaga	aatgctaaag	ggagtacttc	aatcagaaag	aaacacgtta	gtgaacaata	130200
agaaatcatc	tgaaggcaca	aaactcaccg	gtaatagtaa	gtacacagaa	aaacacagaa	130260
tattataaca	ctgtaactgt	gggtgtgtaa	ctccttttgt	ttgtttgttt	gtttgtttgt	130320
ttgtttttgt	tttttagacgg	agttttgctc	cagcccaggc	tggagtgcaa	tggcacaatc	130380
tcagctcact	gcaacttcca	cctcccgggt	tcaagcaatt	ctcctgcctc	agcctcccaa	130440
gtagctggga	ttacaggcat	gtgctaccat	gtccagctaa	ttttgtattt	tagtagagac	130500
gggtgtttcac	catgttgggtc	aggctagcct	tatcttgagt	agaaaaacta	aatgatgaag	130560
caatgaaaaa	taataactac	aacttttcaa	gacatagtac	aataagatat	aaatcataac	130620
aaaaagttaa	aagggtggagg	gatgaagtta	aggcatagag	tctttattag	ttttcttttt	130680
acttgtctgt	ttatgcaaac	agtgttaagt	tgtcatcagt	ttaaaataat	gggtcataag	130740
atactatttg	caagcctcat	ggtaacgtca	aaccaaaagc	aatacaacag	atacacaaaa	130800
aacaaaaagc	aagaagctaa	attacgtcat	cagagaaaat	caccttcact	aaaaggaaga	130860
cggagaaaaag	aatgaagaga	gagaagacca	aaagcaaata	gcaatatggc	aggagtaagt	130920

ccttacttat	caataatacc	attgaatgta	aatggactaa	actctccaat	caaaagacat	130980
agagtggctg	aatcaattaa	agaaaaaaca	agaccattg	atctgttgtc	cacaagaaac	131040
acactttatc	tataaagaca	cacatagact	gaaaacaaag	ggatggaaaa	agataactcca	131100
cgccaatgga	aaccaaagaa	agagcaggag	tagctacact	tatatcaggc	aaaatagatt	131160
tcaagacaaa	aactataaga	agagacaagg	tcactaatga	taaacaggtc	aattcagcaa	131220
gaggatataa	caattgtaaa	tatatatgca	cccaatgctg	gagcacccag	atatataaag	131280
caagtattta	ctagagctaa	agagagaaat	agactccaat	gcaataatag	ctggagattt	131340
caacatccca	ctttcaacat	tgaacagatc	ctccagatag	aaaatcaaca	aagaaatatt	131400
ggacttaatc	tgcactatcg	accaaattgga	tctaacagat	atttacagaa	catttcatcc	131460
aacagctgca	gaacacacat	tcttttcctc	agcacataga	tcatttctcaa	ggatagacca	131520
tatgttgggt	cacaaaacaa	gtttttaaaat	attcaaatac	attgaaataa	tatcaagcat	131580
cttctgtgac	cacaatggac	taaaactaga	aatcaataac	aagaggaatt	ttggaaacta	131640
tataaatata	tggaaattaa	tgaatgctga	gtgggtcaat	gaagcaatta	agaaggaaac	131700
tgaatttttt	cttggaaacga	atgatcatgg	aaacagaaaa	taccaaacc	tatgggatac	131760
agcaaaagca	gtactaagag	ggaagtttac	agctacaaat	gcttacatta	aaaaagaaga	131820
aaaacttcaa	taaaaaaacc	taacaatgca	tcttaaagaa	ctagaaaagc	aagaggaaat	131880
caaatccaaa	attagtagaa	gaaaacagta	aaggctcagag	cagaaataag	taaaattgaa	131940
atgaagaaaa	caatacaaaa	gatcaataaa	acaacagggt	gttttcttga	aaagttaaac	132000
aaaattgaca	aaccttttagc	cagactaaga	aaaaaagaca	gaagatccaa	ataaataaaa	132060
tcagagatga	aaaagggtgac	attacaactt	acaccacaga	aattcaaagg	atcattagt	132120
gctactataa	gcaactatat	gccataaat	tggaaaatct	agaagaaatg	cagaaattcc	132180
tagacacata	caacctccca	agattaaacc	aagaagaaat	tcaaaacctg	aacagactga	132240
taacaagtaa	tgagatcaaa	gccgtaataa	aaagcctccc	agtaaagaga	agcccaggac	132300
ccgacggctt	actgctgaa	ttctaccaa	catttaaagt	agaactaata	ccaatcctac	132360
tcaaactatt	ccaaaaata	gagggtggaag	gaatacttca	aaactcatta	tacgaggcca	132420
gtattaacct	gacaccaaaa	ctagacaaa	acacatgaaa	aaaagaaaac	tacaggccaa	132480
tatgtctgat	gaatattgac	acaaaaatcc	tcaacaaaat	actagcaaac	caaattcaac	132540
tacacattag	aaagttcact	catcatgacc	aagtgggaatt	tatctaactt	gggatgcaa	132600
gatggttcaa	catatgcaa	tcaatcaatg	tgatacatca	tatcaacaga	atgaacaaca	132660
aaaaccattt	gatcatttaa	ttgatactga	aaaagcattt	gataaaattc	aacattcctt	132720
cataataaaa	attctcttct	atactaggt	caaaagaaac	ttacctcaac	ataataaagc	132780
catatatgac	agtcccacag	tatgatacta	aatgaggaaa	aactgagagc	ctttcctcta	132840
cgatctggaa	catgacaaag	atgccactt	tcatcactgt	tattcaacat	agtactggaa	132900
gtcctagctg	gagcgatcag	acaagagaaa	gatataaaag	acatccaaat	tggaaaggaa	132960
taagtcaaat	tatcctcatt	tgcatatgg	atgatcttct	atttagagct	aactaaagac	133020
tccaccaaaa	aaagttatta	gaactgacga	acaaattcag	taaagctgca	ggatacaaaa	133080
tcaacataca	aaaatcagta	gcatttctat	atgccaaaca	tgaccaatgt	gaaaaagaaa	133140
ttaaaaagta	accctattta	caataaccac	aaataaacac	ctaggaatta	accaaaggag	133200
taaaagattt	ctgtaatgaa	aactataaaa	cactgatgaa	agaaattgaa	gagtacacca	133260
aaaaatggaa	agcaattgca	tgttcatgga	tgaagaat	cagtgttgtt	ataatgtcca	133320
tactatccaa	agcaattctac	agattcaatg	caatccttat	caaaatacca	atgacatcat	133380
tcacagaaat	agaaaaaaa	aatcctaaaa	tttacgtgga	accacaaa	ccagaatag	133440
ccaaagctct	cctaagcaaa	aagaacgaaa	ctgtaggaat	gacattgcct	gtcttcaaat	133500
tctactacag	agctatagat	agtaaccaaa	acagcgtggt	actggcataa	aaacagacac	133560
agagacaaac	agaacaaaat	ttaaaaacc	agaaataaat	ccacacacct	acagcaaatt	133620
catttttgac	aaagttgcca	agaacatact	ctggggaata	gataatgata	tctcttcaat	133680
aaatagtgtg	gggaaaactg	gatatccata	tacataacag	tgaaactaga	cccctctctc	133740
tctcactata	tacaaaaatc	aaatcaaaat	tgtttaaggga	cttaaatcta	agacctcata	133800
ctatgaaacc	actgcaagac	aaccttggcg	gaaactctcc	aagacatcag	tccaggcaaa	133860
gatttcttga	gtaatatccc	acaagcacag	acaaccaaa	caaaaatgga	caaattggat	133920
cacatcaagt	taaaaagctt	ctgcacagta	agggaaacaa	ccaacaaaat	gaagagacaa	133980
cccacagaat	gggagaaaaat	atttgaaaaa	tacccatctg	gcaagggatt	aaaaaccaga	134040
atatatgcag	aatatataag	gagctcaaac	agtgcctatag	aaaaaaaaat	ctaataatct	134100
gattttaaaaa	tgggaaaaaat	gttagaatag	acatttctta	aaataagaca	tacagatggc	134160
aaaccgacat	ggaacggtgc	tcaacatcat	ggattatcac	agaaacacaa	tcaatcaaaa	134220
ctaaaactaa	aatgtgctat	catctcacc	cagttaaaaat	ggctgatatc	cagaagacag	134280
gcaataacaa	atgctggcaa	ggatgtggg	aaaagggagc	cccatacac	tggtgtggg	134340
attgtaaatt	agtacaacca	ctgtggagag	cagcatgaaa	gttcctcaaa	aaactgaaag	134400

aaagctacca	taggatccag	caatcccact	gctgtgtata	tactacaaaa	gaaaggaagt	134460
cagtatatga	agaggtatct	gcactcccat	gtttgttgca	gccctgttca	caacagccaa	134520
gattttggaag	caacctaagt	gtccatcagc	agttgaatgt	ataaagaaaa	tgtggtgcat	134580
atacacaatg	gagtattatt	caataataaa	aaggaatgag	attgagtcac	ttgcaacaac	134640
atggatggaa	ctggagatca	ttatgtgaag	tgaataaagc	caggcacaga	aagacaaaca	134700
ttacaatgtt	cttacttatt	aatgagatct	aaaaatcaaa	acaattgcac	ccatgttcat	134760
aaagagtaaa	aggatggtta	ccagatgctg	agaacggtgg	tggggggata	gggaaagggtg	134820
gcagtgggta	acgggtacaa	aaaaatagaa	agaatgaata	agacttgcta	cttgatagca	134880
cagcaagggtg	gctatagtca	gtaatttagt	tgtatatattt	taataatgaa	agggtgtataa	134940
ttggattgtt	tctaacacaa	aggataatgc	ttaagaggat	ggatacccca	ttttccatga	135000
tgtgattatt	tcacattgca	cgcctagatc	aaaacatcca	atgtacccca	taaatatata	135060
catcttctat	gtacccataa	aaattctgta	aaataaaaata	tataaaaaga	ggtgacagat	135120
atggaagaca	ggcaaagaag	agacgacatc	cacataatcc	gagtacctaa	gaaagaatgg	135180
agtccagtgc	atctcaggag	ccaccattct	aagccaattt	tctctggttc	tctcagtcac	135240
cctaccaata	cgtgggcaat	cttgttttat	ttcaggatag	agtttttgaa	attatagatt	135300
taagtatgct	ttctgttcta	ttacttttgg	taattaattt	tagaaagaac	taatttgggc	135360
acaaatttga	aaaaattcta	aatccaaaaa	aaaaaagaaa	aaaacacaca	cacaatcatc	135420
tataaggggg	atgatgacca	gtcctagatt	tctcaccagc	cacattcaag	atcagtaaata	135480
ggtaggacaa	aacctgtagg	gtccttaagg	gggaaagaag	tagtggatag	tccagagtct	135540
atatacagcc	aactgttctt	gaagaaaaaa	ggctgctgaa	aaggagttcc	aaacattcta	135600
taatccataa	tctcatgatg	aaactactag	aggaagacca	ccagccatca	aaagggtgctt	135660
ggagaaccca	gggccaagaa	ccaaaagtaa	atattaagtg	tccttaactg	cgagactaag	135720
atagaaatga	ctgtggggga	ccatgtggcc	tcaacagagg	tgaaatgggtg	tctgcctgac	135780
aaagtggaca	ttttacaatg	atcaaaaacac	agaatatgag	atagagagca	cttctgaatt	135840
actgcctcac	tccaaataac	tctcagccaa	aggacttcag	taaaacccaa	ttgggcatat	135900
tagacagtac	aaacaaattc	taagaaaata	atattactga	ttacaatcac	atgatgctag	135960
agatggaggg	gaaaaggaag	aggaaaccag	gtaatttcat	actcgtatat	agtaaagaac	136020
taaagtacat	tgtccaaaga	agaacaaaga	atatttttga	aagttataaa	ggtagccact	136080
acacatagaa	gatagcaaag	aacaagaaaa	cttaagatgg	aaaacttttt	ggaagcataa	136140
gaatagaaaa	tataaactac	taagataaga	ttgaagccaa	acagatctat	gaaaacaaca	136200
aacatcaatg	gccttaactt	gcctatataa	aggaagagac	tttcaaattg	gaccacaaga	136260
taaaacccaa	ctctatatag	catatgagta	ttacacacaa	aatgggaaaa	gctgaaaaaa	136320
cttgggcaaa	attcacccca	agcaaatcc	actgtttcct	ttgggacaaa	atgccaaagct	136380
ccatgccagg	gaagatgatt	ctcctcagac	cttctcctca	ctctcccagt	cctcttaggg	136440
aaggaattgg	gtgttagagg	agggagactc	tgtcgattat	cagctgaagc	agtgggtgtgc	136500
tcttgcggtg	cttctgacct	gggaaatgaa	gcagcaagac	tctttctgct	gtgtctttgc	136560
ccagaagggc	catcccccca	gagcagagta	cccaggccgg	caggagcagt	ggtggaagcg	136620
tggaaaccac	gtctcctaca	gcagagacca	tcagaagcgg	agcctcgggt	ataagggaaa	136680
caacgcgttc	tccttaacct	gggagtgaac	gacagcgtca	ttcctcacag	tgataccctg	136740
tgttctagcc	atctggccca	tgacagagcc	agcccagagc	cagcccagag	ccagcccctc	136800
accatcctgg	agcctggcca	gctcgccaag	ctgcaccata	ggcctggaag	gcgtggagac	136860
ctgcggcagt	gccctgtcct	cccgtgaggc	ctgccatccc	tgccaggggt	cgcctctggc	136920
ttctccttct	ccaggaccgc	acggtccaga	ggctcagtcg	ctggagtagg	tgttgccctcc	136980
ctgcttctag	gcccagaccc	tcccttggtc	ctgaccccg	gcctttccct	ctggcttggga	137040
catccagggc	cctgtctcag	ctggggagct	gctcctgctc	aaggactgtc	ttccgcggga	137100
tcgaaaggcc	gcgtcctgaa	caatgcgtgg	gccacgtaag	cggagcaggc	tctaaaggcc	137160
gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	137220
cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	137280
gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	gccacgtgag	137340
cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	137400
tctaaaggcc	gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	137460
gcgtcctaaa	cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	137520
cagtgcgtgg	gccacgtgag	cggagcaggc	tctaaaggcc	gcgtcctaaa	cagtgcgtgg	137580
gccacgggag	cggagcagac	tctaaaggcc	gcgtcctaaa	cagtgtgtgg	gccacgtgag	137640
cggagcggcc	tctccactgc	cctcggggcc	gcagctccca	gctcagctcc	cagccctgct	137700
cagggcagcc	aggccaggag	gtaccatcca	ggctaagtga	ccctcagggg	ggacaggtgc	137760
cccaggagat	gccagctgtt	gggagaggct	gggggaccaa	ctcgacctgg	cctgtggggc	137820
ctgcctggc	caccattgt	aggatccagc	cgccacgcct	gtgacactcg	tgtgctttcc	137880

ctggtgtgtg	cttgtggcag	gtgggggcag	agggtcctca	ggccagagag	ccactcccc	137940
agcgccagac	caccctcttc	ctcactcccc	cacctcacc	cctcacaggt	gcctcccagg	138000
ccatcagggc	ccaaccaccc	ctaaacaaat	gggttctcgg	cccctcgtgg	ctggaggtgg	138060
gttctctcac	cattcccagc	ctaagactcc	atccccatgc	tggcagctgt	tcaaccatgt	138120
ctagagagat	ccactgtccc	agacagcacc	tcagggtccc	ccgtcctgcc	tggaaacctg	138180
taggaaactc	cacaaaccgc	cgccattctg	tccacacccc	tacaggagcc	ccaaccctct	138240
ccccacatcc	aggcttccct	cccagacccc	tcatccctgc	ccgcacggtg	cctgaggggg	138300
ccttcttggg	cagcgcctaa	gcaagccccc	agcacccttc	ggccccttca	aggcacacag	138360
gccccctttc	caccacagct	caggaaacca	cctgtgtcct	ccaacgacag	gtcccagcct	138420
cccagccttt	gccttgccctg	ttcctctccc	tggaaactctg	ccccgacaca	gaccctcccc	138480
agcaagcccg	caggggcacc	tccctgccc	ccagacaccc	tgtgcccgte	agttcatccc	138540
cagcagaggc	cctcaccagg	cacaccccca	tgctcacacc	tggccccagg	cctcagcctc	138600
cctgagggcc	ccaccacagc	cgcgctctgg	cagtgggtgcg	tgcaaagccc	ctcaccacaga	138660
ctcggcggaa	ggcagccagt	gcaggcctgg	ggaggggctc	tccttagacc	accttgcacc	138720
ttccctggca	cccaccatgg	gaagagctga	gactcactga	ggaccagctg	aggctcagag	138780
aagggaccca	gactgggtgg	acacgcaggg	agcccacgcc	agggcgccgt	ggtgagtga	138840
gcccagtgcc	accactgag	gcctcccgtt	cagtgggacg	acggtgaaca	ggtggaacca	138900
accaggcaac	ccccgcggg	ccccacagac	gggatcagag	caggaaaggc	ttcctgcccc	138960
tgcaggccag	cgaggagccc	tggcgggggc	cgtagccctc	caggcgagga	ggctcccctg	139020
gccaccgcca	cccgggcctc	tctgctgctg	ggaaaacaag	tcagaaagca	agtggatgag	139080
aggtggcgtg	acagaccacg	cttcagatct	gctctaattt	acaaaagaaa	aggaaaaaca	139140
cacttggcag	ccttcagcac	tctaattgatt	cttaacagca	gcaaattatt	ggcacaagac	139200
tccagagtga	ctggcaggg	tgagggtctg	ggtctccac	gtgttttggg	gctaacagcg	139260
gaagggagag	actggcaaaa	ggtgctgggg	gcccctggac	ccgaccgcgc	ctggagaccg	139320
cagccacatc	agccccagc	cccacaggcc	ccctaccagc	cgagggttt	tggctgagct	139380
gagaaccact	gtgctaactg	gggacacagt	gattggcagc	tctacaaaa	ccatgctccc	139440
ccgggacccc	gggctgtggg	tttctgtagc	ccctggctca	gggctgactc	accgtggctg	139500
aatacttcca	gactggggc	cagggcaccc	tggtcacctg	ctcctcaggt	gagtctgctg	139560
tctggggata	gcggggagcc	aggtgtactg	ggccaggcaa	gggctttggc	ttcagacttg	139620
gggacaggtg	ctcagcaaa	gaggtcggca	ggagggcgga	gggtgtgttt	ttgtatggga	139680
gaagcaggag	ggcagaggct	gtgctactgg	tacttcgatc	tctggggccg	tggcaccttg	139740
gtcactgtct	cctcaggtga	gtcccactgc	agccccctcc	cagtcttctc	tgtccaggca	139800
ccaggccagg	tatctgggg	ctgcagccgg	cctgggtctg	gcctgaggcc	acaccagctg	139860
ccatccctgg	ggtctccgcc	atgggctgca	tgccagagcc	ctgctgtcac	ttagccctgg	139920
ggccagctgg	agcccccaag	gacaggcagg	gaccccgctg	ggcttcagcc	ccgtcaggga	139980
ccctccacag	gtagcaagca	ggccgagggc	agggacggga	aggagaagtt	gtgggcagag	140040
cctgggctgg	ggctgggcgc	tggctgttca	tgtgccgggg	accaggcctg	cgcttttagt	140100
tggctacaag	tgcttgagc	actggggcca	gggcagccc	gccaccgtct	ccctgggaac	140160
gtcaccctc	cctgcctggg	tctcagccc	ggggtctgtg	tggctgggga	cagggacgcc	140220
ggctgcctct	gctctgtgct	tgggcatgt	gacccattcg	agtgtcctgc	acgggcacag	140280
gtttgtgtct	gggcaggaa	agggactgtg	tcctgtgtgt	atgcttttga	tatctggggc	140340
caagggacaa	tggtcaccgt	ctcttcaggt	aagatggctt	tccttctgcc	tcctttctct	140400
gggcccagcg	tcctctgtcc	tggagctggg	agataatgtc	cgggggctcc	ttggtctgcg	140460
ctggggccatg	tggggccctc	cggggctcct	tctccggctg	tttgggacca	cgttcagcag	140520
aaggccctttc	tttgggaact	gggactctgc	tgctggggca	aagggtgggc	agagtcatgc	140580
ttgtgctggg	gacaaaatga	ccttgggaca	cggggctggc	tgccacggcc	ggcccgggac	140640
agtcggagag	tcagggtttt	gtgcaccct	taatggggcc	tcccacaatg	tgactacttt	140700
gactactggg	gccagggaac	cctggtcacc	gtctcctcag	gtgagtcctc	acaacctctc	140760
tcctgcttta	actctgaagg	gttttgctgc	atttttgggg	ggaaataagg	gtgctgggtc	140820
tcctgccaag	agagccccgg	agcagcctgg	ggggctcagg	aggatgccct	gaggcaacag	140880
cggccacaca	gacgaggggc	aagggtccca	gatgtcctt	cctcctgagc	ccagcagcac	140940
gggtctctct	gtggccaggg	ccaccctagg	cctctgggg	ccaatgccc	acaacccccg	141000
ggccctcccc	gggtcagtc	tgagagggtc	ccagggagct	agcggggcgc	cagttcttgc	141060
ctggggctct	ggcattgttg	tcacaatgtg	acaactgggt	cgaccctggg	ggccagggaa	141120
ccctggtcac	cgtctcctca	ggtgagtcct	caccaccccc	tctctgagtc	gacttaggga	141180
gactcagctt	gccagggtct	cagggtcaga	gtcttgagg	cattttggag	ctcaggaaa	141240
aaagccgggg	agagggaccc	ttcgaatggg	aaccacagct	gtcctcccca	agtccggcca	141300
cagatgtcgg	cagctggggg	gctccttcgg	ctgggtctggg	gtgacctctc	tccgcttcac	141360

ctggagcatt	ctcaggggct	gtcgtgatga	ttgcgtggtg	ggactctgtc	ccgctccaag	141420
gcacccgctc	tctgggacgg	gtgccccccg	gggttttttg	actcctgggg	gtgacttagc	141480
agccgtctgc	ttgcagttgg	acttcccagg	ccgacagtgg	tctgggttct	gaggggtcag	141540
gccagaatgt	gggggtacgtg	ggaggccagc	agaggggttc	atgagaaggg	caggacaggg	141600
ccacggacag	tcagcttcca	tgtgacgccc	ggagacagaa	ggtctctggg	tggctgggtt	141660
tttgtggggg	gaggatggac	attctgccat	tgtgattact	actactacta	cggtatggac	141720
gtctggggcc	aagggaccac	ggtcaccgtc	tcctcaggta	agaatggcca	ctctagggcc	141780
tttgttttct	gctactgcct	gtgggggttt	ctgagcattg	caggttgggtc	ctcggggcat	141840
gttccgaggg	gacctgggcg	gactggccag	gaggggacgg	gcactggggg	gccttgagga	141900
tctgggagcc	tctgtggatt	ttccgatgcc	tttgaaaaat	gggactcagg	ttgggtgcgt	141960
ctgatggagt	aactgagcct	ctagactgag	cattgcagac	taatcttgga	tatttgtccc	142020
tgagggagcc	ggctgagaga	agttgggaaa	taaactgtct	agggatctca	gagccttttag	142080
gacagattat	ctccacatct	ttgaaaaact	agaatctgt	gtgatgggtg	tgggtggagtc	142140
cctggatgat	gggataggga	ctttggaggc	tcatttgagg	gagatgctaa	aacaatccta	142200
tggctggagg	gatagttggg	gctgtagttg	gagattttca	gttttttagaa	taaaagtatt	142260
agctgcggaa	tatacttcag	gaccacctct	gtgacagcat	ttatacagta	tccgatgcat	142320
agggacaaa	agtggagtg	ggcactttct	ttagattttg	gaggaatgtt	ccacactaga	142380
ttgtttaaaa	cttcattttg	tggaaggaga	gctgtcttag	tgattgagtc	aagggagaaa	142440
ggcatctagc	ctcgggtctca	aaagggtagt	tgctgtctag	agaggtctgg	tggagcctgc	142500
aaaagtccag	ctttcaaagg	aacacagaag	tatgtgtatg	gaatattaga	agatgttgct	142560
tttactctta	agttggttcc	taggaaaaat	agttaaatac	tgtgacttta	aaatgtgaga	142620
gggttttcaa	gtactcattt	ttttaaatgt	ccaaaattct	tgtcaatcag	tttgaggtct	142680
tgtttgtgta	gaactgatat	tacttaaagt	ttaaccgagg	aatgggagtg	aggctctctc	142740
ataacctatt	cagaactgac	ttttaacaat	aataaaattaa	gtttcaaata	tttttaaattg	142800
aattgagcaa	tgttgagttg	gagtcaagat	ggccgatcag	aaccagaaca	cctgcagcag	142860
ctggcaggaa	gcaggtcatg	tggcaaggct	atltggggaa	gggaaaataa	aaccactagg	142920
taaacttgta	gctgtggttt	gaagaagtgg	ttttgaaaca	ctctgtccag	ccccaccaa	142980
ccgaaagtcc	aggctgagca	aaacaccacc	tgggtaattt	gcattttctaa	aataagttga	143040
ggattcagcc	gaaactggag	aggtcctctt	ttaacttatt	gagttcaacc	ttttaatttt	143100
agcttgagta	gttctagttt	ccccaaactt	aagtttatcg	acttctaaaa	tgtatttaga	143160
attcattttc	aaaattaggt	tatgtaagaa	attgaaggac	tttagtgtct	ttaatattcta	143220
atataatttag	aaaacttctt	aaaattactc	tattattctt	ccctctgatt	attgggtctcc	143280
attcaattct	tttccaatac	ccgaagcatt	tacagtgact	ttgttcatga	tcttttttag	143340
ttgtttgttt	tgccttacta	ttaagacttt	gacattctgg	tcaaaacggc	ttcacaaatc	143400
tttttcaaga	ccactttctg	agtattcatt	ttaggagaaa	gacttttttt	ttaaatgaat	143460
gcaattatct	agacttattt	cagttgaaca	tgctggttgg	tggttgagag	gacactcagt	143520
cagtcagtga	cgtgaagggc	ttctaagcca	gtccacatgc	tctgtgtgaa	ctccctctgg	143580
ccctgcttat	tgttgaaatg	gccaaaggct	tgagaccagg	ctgctgctgg	gtaggcctgg	143640
actttgggtc	tcccaccag	acctgggaat	gtatggttgt	ggcttctgcc	acccatccac	143700
ctggctgctc	atggaccagc	cagcctcggt	ggctttgaag	gaacaattcc	acacaaagac	143760
tctggacctc	tccgaaacca	ggcaccgcaa	atggtaagcc	agaggcagcc	acagctgtgg	143820
ctgctgctct	taaagcttgt	aaactgtttc	tgcttaagag	ggactgagtc	ttcagtcatt	143880
gcttttaggg	gagaaagaga	catttgtgtg	tcttttgagt	accgttgtct	gggtcactca	143940
catttaactt	tccttgaaaa	actagtataa	gaaaaatgtt	gcctgttaac	caataatcat	144000
agagctcatg	gtacttttag	gaaatcctag	aaagcgtgta	tacaattgtc	tgggaattatt	144060
tcagttaagt	gtattagttg	aggtactgat	gctgtctcta	cttcagttat	acatgtgggt	144120
ttgaattttg	aatctattct	ggctcttctt	aagcagaaaa	tttagataaa	atggatacct	144180
cagtggtttt	taatgggtgg	tttaatatag	aagggaattta	aattggaagc	taatttagaa	144240
tcagtaagga	gggaccaggg	ctaagaaggc	aatcctggga	ttctggaaga	aaagatgttt	144300
ttagttttta	tagaaaacac	tactacattc	ttgatctaca	actcaatgtg	gtttaatgaa	144360
tttgaagttg	ccagtaaatg	tacttcctgg	ttgttaaaga	atggatatcaa	aggacagtgc	144420
ttagatccga	ggtgagtgtg	agaggacagg	ggctggggta	tggatacgca	gaagggaaggc	144480
cacagctgta	cagaattgag	aaagaataga	gacctgcagt	tgaggccagc	aggctcggctg	144540
gactaactct	ccagccacag	taatgaccca	gacagagaaa	gccagactca	taaagcttgc	144600
tgagcaaaaat	taagggaaca	aggttgagag	ccctagtaag	cgaggctcta	aaaagcacag	144660
ctgagctgag	atgggtgggc	ttctctgagt	gcttctaaaa	tgcgctaaac	tgaggtgatt	144720
actctgaggt	aagcaaagct	gggcttgagc	caaaatgaag	tagactgtaa	tgaactggaa	144780
tgagctgggc	cgctaagcta	aactaggctg	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	tgagctaggg	tgagctgagc	tgggtgagct	gagctaagct	ggggtgagct	145080
gagctgagct	tggctgagct	agggtgagct	gggctgagct	ggggtgagct	gagctgagct	145140
ggggtaagct	gggatgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	145200
gagctgggggt	gagctgggct	gagctgggct	gagctgggct	gagctgggggt	gagctgagct	145260
ggggtgagct	gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	ggggtgagct	145320
gagctgggggt	gagctgagct	gagctgggggt	gagctgagct	ggggtgagct	gagctgagct	145380
ggggtgagct	gagctgagct	gagctgagct	gagctgggggt	gagctgagct	gagctgagct	145440
ggggtgagct	ggggtgagct	gagctgagct	ggagtgagct	gagctgggct	gagctgggggt	145500
gagctgggct	gagctgggggt	gagctgagct	gagctgagct	gagctgggggt	gagctgagct	145560
gagctgggggt	gagctgagct	ggggtgagct	gggctgagct	gagctgagct	gagctgagct	145620
gagctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	gagctgagct	145680
ggggtgagct	gagctgagct	gggctgagct	ggggtgagct	gggctgagct	gggctgagct	145740
gggctgagct	ggggtgagct	gagctgggggt	gagctgagct	gagctgggct	gagctgagct	145800
gagctgggggt	gagctgagct	gagctgggggt	gagctgagct	gagctgagct	ggggtgagct	145860
gagctgagct	gggctgagca	gggctgagct	ggggtgagct	gagctgagct	ggggtgagct	145920
gggctgagct	gggctgagct	gagctgagct	gggctgagct	gggctgagct	gggctgagct	145980
gggctgagct	gggctgagct	ggggtgagct	gagctgggggt	gagctgggggt	gagctgagct	146040
ggggtgagct	gagctgggggt	gagctgagct	gagctgggggt	gagctgagct	ggggtgagct	146100
gagctgagct	ggggtgagct	gagctgagct	ggggtgagct	gagctagggt	gaactgggct	146160
gggtgagctg	gagtgagctg	agctgagggtg	aactgggggtg	agccgggatg	ttttgagttg	146220
agctggggta	agatgagctg	aactggggta	aactgggatg	agctgtgggtg	agcggagctg	146280
gattgaactg	agctgtgtga	gctgagctgg	ggtcagctga	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	ctggatgata	tgggttaggg	tgatctggac	146580
tcaactgggc	tggctgatgg	gatgcgccag	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	ctggactggt	tggatgtgtt	146880
gaactggcct	gctgctgggc	tggcatagct	gagttgaact	taaattgagga	aggctgagca	146940
aggctagcct	gcttgcatag	agctgaactt	tagcctagcc	tgagctggac	cagcctgagc	147000
tgagtaggtc	taaactgagt	taaaaatcaa	cagggataat	ttaacagcta	atttaacaag	147060
cctgaggtct	gagattgaat	gagcagagct	gggatgaact	gaatgagttt	caccaggcct	147120
ggaccagtta	ggctaggacc	tcgttctata	gaggcagact	gtgtgctaca	gtggagtttc	147180
aagatgattc	catgagtcct	ccccgcccc	aacataaacc	accttcctcc	taccctacac	147240
gccctgtctg	tgtgtaaata	ccagctttgt	gtgctgatac	agaagcctga	gccccctccc	147300
cacctccacc	tacctattac	tttgggatga	gaatagttct	cccagccagt	gtctcagagg	147360
gaagccaagc	aggcagggcc	caaggctact	tgagaagcca	ggatctaggc	ctctccctga	147420
gaacgggtgt	tcagtcccct	agagttggct	gaagggccag	atccacctac	tctagaggca	147480
tctctccctg	tctgtgaagg	cttccaaagt	cacgttcctg	tggctagaag	gcagctccat	147540
agccctgctg	cagtttcgtc	ctgtatacca	ggttcacctc	ctaccatata	tagccctgcc	147600
tgccttaaga	gtagcaacaa	ggaaatagca	gggtgtagag	ggatctcctg	tctgacagga	147660
ggcaagaaga	cagattctta	cccctccatt	tctcttttat	ccctctctgg	tcctcagaga	147720
gtcagtcctt	cccaaagtgc	ttccccctcg	tctcctgcga	gagccccctg	tctgataaga	147780
atctggtggc	catgggctgc	ctggccccgg	acttcctgcc	cagcaccatt	tccttcacct	147840
ggaactacca	gaacaacact	gaagtcatcc	agggtatcag	aaccttccca	acactgagga	147900
cagggggcaa	gtacctagcc	acctgcgagg	tgttgctgtc	tcccaagagc	atccttgaag	147960
gttcagatga	atacctggta	tgcaaaatcc	actacggagg	caaaaacaaa	gatctgcatg	148020
tgccatttcc	aggtaagaac	caaaccctcc	cagcaggggt	gccagggccc	aggcatggcc	148080
cagaggggagc	agcgggggtg	ggcttagggc	aagctgagct	cacaccttga	cctttcattc	148140
cagctgtcgc	agagatgaac	cccaatgtaa	atgtgttcgt	cccaccacgg	gatggcttct	148200
ctggccctgc	accacgcaag	tctaaactca	tctgcgaggc	cacgaacttc	actccaaaac	148260
cgatcacagt	atcctggcta	aaggatggga	agctcgtgga	atctggcttc	accacagatc	148320

cgggtgacccat	cgagaacaaa	ggatccacac	cccaaacccta	caagggtcata	agcacactta	148380
ccatctctga	aatcgactgg	ctgaacctga	atgtgtacac	ctgccgtgtg	gatcacagg	148440
gtctcacctt	cttgaagaac	gtgtcctcca	catgtgtctg	cagtgtgtgg	cctgggctaa	148500
gcccaatgcc	tagccctccc	agattaggga	agtcctccta	caattatggc	caatgccacc	148560
cagacatggt	catttgctcc	ttgaactttg	gctccccaga	gtggccaagg	acaagaatga	148620
gcaataggca	gtagaggggt	gagaatcagc	tgggaaggacc	agcatcttcc	cttaagtagg	148680
tttgggggat	ggagactaag	cttttttcca	acttcacaa	tagatatgtc	ataacctgac	148740
acagtgttct	cttgactgca	ggtcctcca	cagacatcct	aaccttcacc	atccccccct	148800
cctttgccga	catcttctc	agcaagtccg	ctaacctgac	ctgtctggtc	tcaaacctgg	148860
caacctatga	aacctgaat	atctcctggg	cttctcaaag	tggatgaacca	ctggaaacca	148920
aaattaaaaat	catggaaagc	cctcccaatg	gcaccttcag	tgctaagggt	gtggcttagt	148980
tttgtgtgga	agactggaat	aacaggaagg	aatttgtgct	tactgtgact	cacagggatc	149040
tgccttcacc	acagaagaaa	ttcatctcaa	aacccaatgg	taggtatccc	cccttccctt	149100
cccctccaat	tgcaggaccc	ttcctgtacc	tcatagggag	ggcagggtcct	cttccaccct	149160
atcctcacta	ctgtcttcat	ttacagaggt	gcacaaacat	ccacctgctg	tgtacctgct	149220
gccaccagct	cgtgagcaac	tgaacctgag	ggagtcagcc	acagtcacct	gcctggtgaa	149280
gggcttctct	cctgcagaca	tcagtgtgca	gtggcttcag	agagggcaac	tcttgcccca	149340
agagaagtat	gtgaccagt	ccccgatgcc	agagcctggg	gccccaggct	tctactttac	149400
ccacagcatc	ctgactgtga	cagaggagga	atggaactcc	ggagagacct	atacctgtgt	149460
tgtaggccac	gaggccctgc	cacacctggg	gaccgagagg	accgtggaca	agtccactgg	149520
taaacccaca	ctgtacaatg	tctccctgat	catgtctgac	acaggcggca	cctgctattg	149580
accatgctag	cgctcaacca	ggcaggccct	gggtgtccag	ttgctctgtg	tatgcaaact	149640
aacctgtgca	gagtgaagat	ttgcatttta	taaaaattag	aaataaaaaa	aatccattca	149700
aacgtcactg	gttttgatta	tacaatgctc	atgcctgctg	agacagttgt	gttttgcttg	149760
ctctgcacac	accctgcata	cttgccctca	ccctggccct	tcctctacct	tgccagtttc	149820
ctccttgtgt	gtgaactcag	tcaggcttac	aacagacaga	gtatgaacat	gcgattcctc	149880
cagctacttc	tagatatatg	gctgaaaagc	tgcatgcctg	caggtcgact	ctagaggatc	149940
cccgggtacc	gagctcgaat	tcgccctata	gtgagtcgta	ttacaattca	ctggccgtcg	150000
ttttacaacg	tcgtgactgg	gaaaaccctg	gcgttaccca	acttaatcgc	cttgacgac	150060
atcccccttt	cgccagctgg	cgtaatatgc	aagaggcccg	caccgatcgc	ccttcccaac	150120
agttgocgag	cctgaatggc	gaatggcgcc	tgatgcggta	ttttctcctt	acgcactctg	150180
gcgggtatttc	acaccgcata	tggtgcactc	tcagtacaat	ctgctctgat	gccgcatagt	150240
taagccagcc	ccgacacccg	ccaacacccg	ctgacgcgaa	ccccttgc		150288

<210> 71
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 71
 ggaagggtgtg cacaccgctg gac 23

<210> 72
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> synthetic

<400> 72
 ggaagggtgtg cacaccactg gac 23

<210> 73
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 73
 ggaaggtgtg cacactgctg gac 23

 <210> 74
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 74
 agactgtgcg cacaccgctg gac 23

 <210> 75
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 75
 tcttatcaga cagggggctc tc 22

 <210> 76
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic

 <400> 76
 aagaagcaca cgactgaggc ac 22

 <210> 77
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> variation
 <222> (12)...(12)
 <223> w = a or t

 <220>
 <223> synthetic

 <400> 77

agtggataga cwgatggggg tg	22
<210> 78	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 78	
agtggataga ccgatggggc tg	22
<210> 79	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 79	
aagggataga cagatggggc tg	22
<210> 80	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 80	
ggaagacatt tgggaaggac tg	22
<210> 81	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 81	
ggaagatgga tacagttggt gc	22