

GAGAAUAAAC UAGUAUUCUU CUGGUCCCA CAGACUCAGA
GAGAACCCGC 50
CACCAUGUUC GUGUCCUGG UGCUGCUGCC UCUGGUGUCC
AGCCAGUGUG 100
UGAACCUGAC CACCAGAACA CAGCUGCCUC CAGCCUACAC
CAACAGCUUU 150
ACCAGAGGCG UGUACUACCC CGACAAGGUG UUCAGAUCCA
GCGUGCUGCA 200
CUCUACCCAG GACCUGUUC UGCCUUUCUU CAGCAACGUG
ACCUGGUUCC 250
ACGCCAUCCA CGUGUCCGGC ACCAAUGGCA CCAAGAGAUU
CGACAACCCC 300
GUGCUGCCCU UCAACGACGG GGUGUACUUU GCCAGCACCG
AGAAGUCCAA 350
CAUCAUCAGA GGCUGGAUCU UCGGCACCAC ACUGGACAGC
AAGACCCAGA 400
GCCUGCUGAU CGUGAACAAC GCCACCAACG UGGUCAUCAA
AGUGUGCGAG 450
UCCAGUUCU GCAACGACCC CUUCCUGGGC GUCUACUACC
ACAAGAACAA 500
CAAGAGCUGG AUGGAAAGCG AGUUCGGGU GUACAGCAGC
GCCAACAACU 550
GCACCUUCGA GUACGUGUCC CAGCCUUUCC UGAUGGACCU
GGAAGGCAAG 600
CAGGGCAACU UCAAGAACCU GCGCGAGUUC GUGUUUAAGA
ACAUCGACGG 650
CUACUUCAAG AUCUACAGCA AGCACACCCC UAUCAACCUC
GUGCGGGAUC 700
UGCCUCAGGG CUUCUCUGCU CUGGAACCCC UGGUGGAUCU
GCCCAUCGGC 750

AUCAACAUCA	CCCGGUUUUCA	GACACUGCUG	GCCCUGCACA
GAAGCUACCU	800		
GACACCUGGC	GAUAGCAGCA	GCGGAUGGAC	AGCUGGUGCC
GCCGCUUACU	850		
AUGUGGGCUA	CCUGCAGCCU	AGAACCUUCC	UGCUGAAGUA
CAACGAGAAC	900		
GGCACCAUCA	CCGACGCCGU	GGAUUGUGCU	CUGGAUCCUC
UGAGCGAGAC	950		
AAAGUGCACC	CUGAAGUCCU	UCACCGUGGA	AAAGGGCAUC
UACCAGACCA	1000		
GCAACUUCCG	GGUGCAGCCC	ACCGAAUCCA	UCGUGC GG UU
CCCCAAUAUC	1050		
ACCAAUCUGU	GCCCCUUCGG	CGAGGUGUUC	AAUGCCACCA
GAUUCGCCUC	1100		
UGUGUACGCC	UGGAACCGGA	AGCGGAUCAG	CAAUUGCGUG
GCCGACUACU	1150		
CCGUGCUGUA	CAACUCCGCC	AGCUUCAGCA	CCUUCAAGUG
CUACGGCGUG	1200		
UCCCUACCA	AGCUGAACGA	CCUGUGCUUC	ACAAACGUGU
ACGCCGACAG	1250		
CUUCGUGAUC	CGGGGAGAUG	AAGUGC GG CA	GAUUGCCCCU
GGACAGACAG	1300		
GCAAGAU CGC	CGACUACAAC	UACAAGCUGC	CCGACGACUU
CACCGGCUGU	1350		
GUGAUUGCCU	GGAACAGCAA	CAACCUGGAC	UCCAAAGUCG
GCGGCAACUA	1400		
CAAUUACCU G	UACCGGCUGU	UCCGGAAGUC	CAAUCUGAAG
CCCUUCGAGC	1450		
GGGACAUCUC	CACCGAGAUC	UAUCAGGCCG	GCAGCACCCC
UUGUAACGGC	1500		

GUGGAAGGCU	UCAACUGCUA	CUUCCCACUG	CAGUCCUACG
GCUUUCAGCC	1550		
CACAAAUGGC	GUGGGCUAUC	AGCCCUACAG	AGUGGUGGUG
CUGAGCUUCG	1600		
AACUGCUGCA	UGCCCCUGCC	ACAGUGUGCG	GCCCUAAGAA
AAGCACCAAU	1650		
CUCGUGAAGA	ACAAAUGCGU	GAACUUCAAC	UUCAACGGCC
UGACCGGCAC	1700		
CGGCGUGCUG	ACAGAGAGCA	ACAAGAAGUU	CCUGCCAUUC
CAGCAGUUUG	1750		
GCCGGGAUUA	CGCCGAUACC	ACAGACGCCG	UUAGAGAUGC
CCAGACACUG	1800		
GAAAUCCUGG	ACAUCACCCC	UUGCAGCUUC	GGCGGAGUGU
CUGUGAUCAC	1850		
CCUGGCACC	AACACCAGCA	AUCAGGUGGC	AGUGCUGUAC
CAGGACGUGA	1900		
ACUGUACCGA	AGUGCCCGUG	GCCAUUCACG	CCGAUCAGCU
GACACCUACA	1950		
UGGCGGGUGU	ACUCCACCGG	CAGCAAUGUG	UUUCAGACCA
GAGCCGGCUG	2000		
UCUGAUCGGA	GCCGAGCACG	UGAACAAUAG	CUACGAGUGC
GACAUCCCCA	2050		
UCGGCGCUGG	AAUCUGCGCC	AGCUACCAGA	CACAGACAAA
CAGCCCUCGG	2100		
AGAGCCAGAA	GCGUGGCCAG	CCAGAGCAUC	AUUGCCUACA
CAAUGUCUCU	2150		
GGGCGCCGAG	AACAGCGUGG	CCUACUCCAA	CAACUCUAUC
GCUAUCCCCA	2200		
CCAACUUCAC	CAUCAGCGUG	ACCACAGAGA	UCCUGCCUGU
GUCCAUGACC	2250		

AAGACCAGCG	UGGACUGCAC	CAUGUACAUC	UGCGGCGAUU
CCACCGAGUG	2300		
CUCCAACCUG	CUGCUGCAGU	ACGGCAGCUU	CUGCACCCAG
CUGAAUAGAG	2350		
CCCUGACAGG	GAUCGCCGUG	GAACAGGACA	AGAACACCCA
AGAGGUGUUC	2400		
GCCCAAGUGA	AGCAGAUCUA	CAAGACCCCU	CCUAUCAAGG
ACUUCGGCGG	2450		
CUUCAAUUUC	AGCCAGAUUC	UGCCCGAUCC	UAGCAAGCCC
AGCAAGCGGA	2500		
GCUUCAUCGA	GGACCUGCUG	UUCAACAAAG	UGACACUGGC
CGACGCCGGC	2550		
UUCAUCAAGC	AGUAUGGCGA	UUGUCUGGGC	GACAUUGCCG
CCAGGGAUCU	2600		
GAUUUGCGCC	CAGAAGUUUA	ACGGACUGAC	AGUGCUGCCU
CCUCUGCUGA	2650		
CCGAUGAGAU	GAUCGCCCAG	UACACAUCUG	CCCUGCUGGC
CGGCACAAUC	2700		
ACAAGCGGCU	GGACAUUUGG	AGCAGGCGCC	GCUCUGCAGA
UCCCCUUUGC	2750		
UAUGCAGAUG	GCCUACCGGU	UCAACGGCAU	CGGAGUGACC
CAGAAUGUGC	2800		
UGUACGAGAA	CCAGAAGCUG	AUCGCCAACC	AGUUCAACAG
CGCCAUCGGC	2850		
AAGAUCCAGG	ACAGCCUGAG	CAGCACAGCA	AGCGCCCUGG
GAAAGCUGCA	2900		
GGACGUGGUC	AACCAGAAUG	CCCAGGCACU	GAACACCCUG
GUCAAGCAGC	2950		
UGUCCUCCAA	CUUCGGCGCC	AUCAGCUCUG	UGCUGAACGA
UAUCCUGAGC	3000		

AGACUGGACC CUCCUGAGGC CGAGGUGCAG AUCGACAGAC
UGAUCACAGG 3050
CAGACUGCAG AGCCUCCAGA CAUACGUGAC CCAGCAGCUG
AUCAGAGCCG 3100
CCGAGAUUAG AGCCUCUGCC AAUCUGGCCG CCACCAAGAU
GUCUGAGUGU 3150
GUGCUGGGCC AGAGCAAGAG AGUGGACUUU UGCGGCAAGG
GCUACCACCU 3200
GAUGAGCUUC CCUCAGUCUG CCCUCACGG CGUGGUGUUU
CUGCACGUGA 3250
CAUAUGUGCC CGCUCAAGAG AAGAAUUUCA CCACCGCUCC
AGCCAUCUGC 3300
CACGACGGCA AAGCCCACUU UCCUAGAGAA GGCGUGUUCG
UGUCCAACGG 3350
CACCCAUUGG UUCGUGACAC AGCGGAACUU CUACGAGCCC
CAGAUCAUCA 3400
CCACCGACAA CACCUUCGUG UCUGGCAACU GCGACGUCGU
GAUCGGCAUU 3450
GUGAACAUA CCGUGUACGA CCCUCUGCAG CCCGAGCUGG
ACAGCUUCA 3500
AGAGGAACUG GACAAGUACU UUAAGAACCA CACAAGCCCC
GACGUGGACC 3550
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AUCGACCGGC UGAACGAGGU GGCCAAGAAU CUGAACGAGA
GCCUGAUCGA 3650
CCUGCAAGAA CUGGGGAAGU ACGAGCAGUA CAUCAAGUGG
CCCUGGUACA 3700
UCUGGCUGGG CUUUAUCGCC GGACUGAUUG CCAUCGUGAU
GGUCACAAUC 3750

AUGCUGUGUU	GCAUGACCAG	CUGCUGUAGC	UGCCUGAAGG
GCUGUUGUAG	3800		
CUGUGGCAGC	UGCUGCAAGU	UCGACGAGGA	CGAUUCUGAG
CCCGUGCUGA	3850		
AGGGCGUGAA	ACUGCACUAC	ACAUGAUGAC	UCGAGCUGGU
ACUGCAUGCA	3900		
CGCAAUGCUA	GCUGCCCCUU	UCCCGUCCUG	GGUACCCCGA
GUCUCCCCCG	3950		
ACCUCGGGUC	CCAGGUAUGC	UCCACCUC	ACCUGCCCCA
CUCACCACCU	4000		
CUGCUAGUUC	CAGACACCUC	CCAAGCACGC	AGCAAUGCAG
CUCAAACGC	4050		
UUAGCCUAGC	CACACCCCA	CGGGAAACAG	CAGUGAUUAA
CCUUUAGCAA	4100		
UAAACGAAAG	UUUAACUAAG	CUAUACUAAC	CCCAGGGUUG
GUCAAUUUCG	4150		
UGCCAGCCAC	ACCCUGGAGC	UAGCAAAAAA	AAAAAAAAAA
AAAAAAAAAA	4200		