





4601	CACTGGTAAC GTGACCAATTG	AGGATTAGCA TCCTAATCGT	GAGCGAGGTA CTCGCTCCAT	TGTAGGCGGT ACATCCGCCA	GCTACAGAGT CGATGTCTCA	TCTTGAAGTG AGAACTTCAC	GTGGCCTAAC CACCGGATTG	TACGGCTACA ATGCCGATGT	CTAGAAGGAC GATCTTCCTG	AGTATTTGGT TCATAAACCA
4701	ATCTGCCTC TAGACGCGAG	TGCTGAAGCC ACGACTTCGG	AGTTACCTTC TCAATGGAAG	GGAAAAAGAG CCTTTTTCTC	TTGGTAGCTC AACCATCGAG	TTGATCCGGC AACTAGGCCG	AAACAAACCA TTTGTTTGGT	CCGCTGGTAG GGCGACCATC	CGGTGTTTTT GCCACCAAAA	TTTGTTTGCA AAACAAACGT
4801	AGCAGCAGAT TCGTCGTCTA	TACGCGCAGA ATGCGCGTCT	AAAAAAGGAT TTTTTCTCTA	CTCAAGAAGA GAGTTCCTTCT	TCCTTTGATC AGGAAACTAG	TTTTCTACGG AAAAGATGCC	GGTCTGACGC CCAGACTGCG	TCAGTGGAAC AGTCACCTTG	GAAACTCAC CTTTTGTAGT	GTTAAGGGAT CAATTCCCTA
4901	TTTGGTCATG AAACCGTAC	CATGATATAT GTACTATATA	CTCCCAATTT GAGGGTTAAA	GTGTAGGGCT CACATCCCGA	TATTAATGCAC ATAATACGTG	GCTTAAAAAT CGAATTTTTA	AATAAAAGCA TTATTTTCGT	GACTTGACCT CTGAACCTGGA	GATAGTTTGG CTATCAAAC	CTGTGAGCAA GACACTCGTT
				HpaI						
5001	TTATGTGCTT AATACACGAA	AGTGCATCTA TCACGTAGAT	ATCGCTTGAG TAGCGAACTC	TTAACGCCGG AATTGCGGCC	CGAAGCGGCG GCTTCGCCGC	TCGGCTTGAA AGCCGAACCT	CGAATTTCTA GCTTAAAGAT	GCTAGACATT CGATCTGTAA	ATTTGCCGAC TAAACGGCTG	TACCTTGGTG ATGGAACCAC
5101	ATCTCGCTT TAGAGCGGAA	TCACGTAGTG AGTGCATCAC	GACAAATCT CTGTTTAAAG	TCCAACCTGAT AGGTTGACTA	CTGCGCGCGA GACGCGCGCT	GGCCAAGCGA CCGGTTCGCT	TCTTCTTCTT AGAAGAAGAA	GTCCAAGATA CAGGTTCTAT	AGCCTGTCTA TCGGACAGAT	GCTTCAAGTA CGAAGTTCAT
5201	TGACGGGCTG ACTGCCGGA	ATACTGGGCC TATGACCCGA	GGCAGGCGCT CCGTCGCGA	CCATTGCCCA GGTAACCGGT	GTCGGCAGCG AGGCTTCGCG	ACATCCTTCG TGTAAGCGGA	GCGCGATTTT CGCGTAAAA	GCCGGTACT CGGCCAATGA	GCGCTGTACC TTCACATGG	AAATGCGGGA GATGACCGTT
5301	CAACGTAAGC GTTGCATTCG	ACTACATTTT TGATGTAAAG	GCTCATGCC CGAGTAGCGG	AGCCCAGTCG TCGGGTCAGC	GGCGGCGAGT CCGCCGCTCA	TCCATAGCGT AGGTATCGCA	TAAGTTTCA ATTCCAAAGT	TTTAGCGCT AAATCGCGGA	CAAATAGATC GTTTATCTAG	CTGTTGAGGA GACAAGTCCT
									PvuI	
5401	ACCGGATCAA TGGCCTAGTT	AGAGTTCCTC TCTCAAGGAG	CGCCGCTGGA GCGGCGACCT	CCTACCAAGG GGATGGTTCC	CAACGCTATG GTTGCGATAC	TTCTCTTGCT AAGAGAACGA	TTTGTGAGCA AAACAGTCGT	AGATAGCCAG TCTATCGGTC	ATCAATGTCG TAGTTACAGC	ATCGTGGCTG TAGCACCGAC
5501	GCTCGAAGAT CGAGTCTTA	ACCTGCAAGA TGGACGTTCT	ATGTCAATTG TACAGTAAAG	GCTGCCATTC CGACGGTAAG	TCCAAATTCG AGGTTTAAAG	AGTTCGCGCT TCAAGCGCGA	TAGCTGGATA ATCGACCTAT	ACGCCACGGA TGCGGTGCCT	ATGATGTCGT TACTACAGCA	CGTGCACAAC TTCACGTGTTG
5601	AATGGTGACT TTACCACTGA	TCTACAGCGC AGATGTCGCG	GGAGAACTC CCTCTTAGAG	GCTCTCTCCA CGAGAGAGGT	GGGGAAGCCG TTCAAAGGTT	AAGTTTCCAA TTCCAGCAAC	AAGGTCGTTG TAGTTTCGAG	ATCAAAGCTC CGCGGCAACA	GCCGCGTTGT AAGTAGTTCG	TTCATCAAGC GATGACCGTT
5701	CTTACGGTCA GAATGCCAGT	CCGTAACCAG GGCATTGGTC	CAAAACAATA GTTTAGTTAT	TCACTGTGTG AGTGACACAC	GCTTCAGGCC CGAAGTCCGG	GCCATCCACT CGGTAGGTGA	GCGGAGCCGT CGCCTCGGCA	ACAAATGTAC TGTTTACATG	GGCCAGCAAC CCGGTCTGTC	GTCGGTTGCA CAGCCAAGCT
5801	GATGGGCTC CTACCGCGA	GATGACGCCA CTACTGCGGT	ACTACCTCTG TGATGGAGAC	ATAGTTGAGT TATCAACTCA	CGTACTTTCG GCTATGAAGC	GCGATCACCG CGCTAGTGGC	CTTCCCCCAT GAAGGGGTA	GATGTTTTAAC CTACAAATTG	TTTTTTTTTAG AAACAAAATC	GGCGTACGCC CCGCTGACGG
5901	CTGCTGCGTA GACGACGCAT	ACATCGTTGC TGTAGCAACG	TGCTCCATAA ACGAGGTATT	CATCAAACAT GTAGTTTGTG	CGACCCAGCG GCTGGGTGCC	CGTAACGCGC GCATTGCGCG	TTGCTGTTTG AACGACGAAC	GATGCCCGAG CTACGGGCTC	GCATAGACTG CGTATCTGAC	TACCCCAAAA ATGGGGTTTT
6001	AAACATGTCA TTTGTACAGT	TAACAAGAAG ATTGTTCTTC	CCATGAAAAC GGTACTTTTG	CGCCACTGCG GCGGTGACGC	CCGTTACCAC GGCAATGGTG	CGCTGCGTTC GCGACGCAAG	GGTCAAGGTT CCAGTCCAA	CTGGACCAGT GACCTGGTCA	TGCGTGACGG ACGCCTGCC	CAGTTACGCT GTCAATGCGA
6101	ACTTGCAATTA TGAACGTAAT	CAGCTTACGA GTCGAATGCT	ACCGAACGAG TGGCTTGCTC	GCTTATGTCC CGAATACAGG	ACTGGGTTTCG TGACCCAAGC	TGCCCAGAAT ACGGGCTTAA	GATCACAGGC CTAGTGTCG	AGCAACGCTC TCGTTGCGAG	TGTCATCGTT ACAGTAGCAA	ACAATCAACA TGTTAGTTGT
6201	TGCTACCCTC ACGATGGGAG	CGCGAGATCA GCGCTCTAGT	TCCGTGTTTC AGGCACAAG	AAACCCGGCA TTTGGGCCGT	GCTTAGTTGC CGAATCAACG	CGTCTTCCG GCAAGAAGGC	AAATAGCATCG TTATCGTAGC	GTAACATGAG CATTGTACTC	CAAAGTCTCG GTTTCAGACG	CGCCTTACAA GCGGAATGTT
6301	CGGCTCTCCC GCCGAGAGGG	GCTGACGCCG CGACTGCGGC	TCCCGACTG AGGGCTGAC	ATGGGCTGCC TACCCGACGG	TGTATCGAGT ACATAGCTCA	GGTGATTTTG CCACTAAAAC	TGCCGAGCTG ACGGCTCGAC	CCGGTCCGGG GGCCAGCCCC	AGCTGTTGGC TCGACAACCG	TGGCTGGTGG ACCGACCACC
									XhoI	
									EcoRI	
6401	CAGGATATAT GTCCTATATA	TGTGGTGTA ACACCACATT	ACAAATTGAC TGTTAACTG	GCTTAGACAA CGAATCTGTT	CCTAATAACA GAATTAATGT	CATTGCGGAC GTAACGCCTG	GTTTTTAAATG CAAAAATFAC	TACTGAATTA ATGACTTAAT	ACGCCGAATT TGCGGCTTAA	GAATTCCTCG CTAAGGAGC
			XbaI	SacII						
	XhoI	BamHI		AscI						
6501	AGTACGTAGG TCATGCATCC	ATCCATTTAA TAGGTAAATT	ATTCTAGAGG TAAGATCTCC	CGCGCCGCGG GCGCGGCGCC	CCGCTCCTGC GGCGAGGACG	TGAGCCTCGA ACTCGGAGCT	CATGTTGTCG GTACAACAGC	CAAAATTCGC GTTTTAAGCG	CCTGGACCCG GGACCTGGGC	CCCAACGATT GGGTTGCTAA
6601	TGTCGTCACT ACAGCAGTGA	GTCAAGGTTT CAGTTCAAA	GACCTGCACT CTGGACGTGA	TCATTTGGGG AGTAAACCCC	CCCACATACA GGGTGTATGT	CCAAAAAAT GGTTTTTTTA	GCTGCATAAT CGACGTATTA	TCTCGGGGCA AGAGCCCCGT	GCAAGTCGGT CGTTCAGCCA	TACCCGGCCG ATGGGCCGGC

6701	CCGTGCTGGA GGCACGACCT	CCGGGTTGAA GGCCCAACTT	TGGTGCCCGT ACCACGGGCA	AACTTTCGGT TTGAAAGCCA	AGAGCGGACG TCTCGCCTGC	GCCAATACTC CGGTTATGAG	AACTTCAAGG TTGAAAGTTC	AATCTCACCC TTAGAGTGGG	ATGCGCGCCG TACGCGCGGC	CGGGGAACC CGCCCTTGG
6801	GGAGTTCCTT CCTCAAGGGA	TCAGTGAGCG AGTCACTCGC	TTATTAGTTC AATAATCAAG	GCCGCTCGGT CGGCGAGCCA	GTGTCGTAGA CACAGCATCT	TACTAGCCCC ATGATCGGGG	TGGGGCACTT ACCCCGTGAA	TTGAAATTTG AACTTTAAAC	AATAAGATTT TTATTCTAAA	ATGTAATCAG TACATTAGTC
6901	TCTTTTAGGT AGAAAATCCA	TTGACCGGTT AACTGGCCAA	CTGCCGCTTT GACGGCGAAA	TTTTAAAATT AAAATTTTAA	GGATTTGTAA CCTAAACATT	TAATAAAACG ATTATTTTGC	CAATTGTTTG GTTAACAAAC	TTATTGTGGC AATAACACCG	GCTCTATCAT CGAGATAGTA	AGATGTCGCT TCTACAGCGA
7001	ATAAACCTAT TATTTGGATA	TCAGCACAAAT AGTCGTGTTA	ATATTGTTTT TATAACAAA	CATTTTAATA GTAAAATTAT	TTGTACATAT AACATGTATA	AAGTAGTAGG TTCATCATCC	GTACAATCAG CATGTTAGTC	TAAATTGAAC ATTTAACTTG	GGAGAATATT CCTCTTATA	ATTCATAAAA TAAGTATTTT
7101	ATACGATAGT TATGCTATCA	AACGGGTGAT TTGCCACTA	ATATTCATTA TATAAGTAAT	GAATGAACCG CTTACTTGCC	AAACCGCGG TTTGCCCGC	TAAGGATCTG ATTCTAGAC	AGCTACACAT TCGATGTGTA	GCTCAGGTTT CGAGTCCAA	TTTACACGT AAATGTTGCA	GCACAACAGA CGTGTGTCT
7201	ATTGAAAGCA TAAC TTTCGT	AATATCATGC TTATAGTACG	GATCATAGGC CTAGTATCCG	GTCTCGCATA CAGAGCGTAT	TCTCATTAAA AGAGTAATTT	GCAGGACTCT CGTCCTGAGA	AGGGACTAGT TCCCTGATCA	TCTAGACTAG AGATCTGATC	GTGGATCCTC CACCTAGGAG	AGAAGAAGTC TCTTCTTGAG
7301	GTCAAGAAGG CAGTTCCTCC	CGATAGAAGG GCTATCTTCC	CGATGCGCTG GCTACGCGAC	CGAATCGGGA GCTTAGCCCT	GCGGCATATG GCATTTCTGT	CGCGGATAG CTCCTTCGCC	GAGGAAGCGG AGTCGGGTAA	TCAGCCCATT GCGGCGTTC	CGCCGCCAAG GAGAAGTCGT	CTCTTCAGCA GAGAAAGTCGT
7401	ATATCACGGG TATAGTGCC	TAGCCAACGC ATCGGTTGCG	TATGTCCTGA ATACAGGACT	TAGCGGTCCG ATCGCCAGGC	CCACACCAG GGTGTGGGTC	CCGCGCACAG GGCCGGTGTG	TCGATGAATC AGCTACTTAG	CAGAAAAGCG GTCTTTTCGC	GCCATTTTCC CGGTAAGG	ACCATGATAT TGGTACTATA
7501	TCGGCAAGCA AGCCGTTTCGT	GGCATCGCCA CCGTAGCGGT	TGGGTCACGA ACCCAGTGCT	CGAGATCATC GCTCTAGTAG	GCCGTGCGGC CGGCAGCCCG	ATGCGCGCCT TACGCGCGGA	TGAGCCTGGC ACTCGGACCG	GAACAGTTTCG CTTGTCAAGC	GCTGGCGCGA CGACCGCGCT	GCCCCTGATG CGGGGACTAC
7601	CTCTTCGTCC GAGAAGCAGG	AGATCATCCT TCTAGTAGGA	GATCGACAAG CTAGCTGTTC	ACCGGCTTCC TGGCCGAAGG	ATCCGAGTAC TAGGCTCATG	GTGCTCGCTC CAGCAGCGAG	GATGCGATGT CTACGCTACA	TTTCGTTGGT AAGCGAACCA	GGTCAATGG CCAGCTTACC	GCAGGTAGCC CGTCCATCGG
7701	GGATCAAGCG CCTAGTTCGC	TATGCAGCCG ATACGTCGGC	CCGCATGCA GGCGTAACGT	TCAGCCATGA AGTCGGTACT	TGGATAC TTT ACCTATGAAA	CTCGGCAGGA GAGCCGTCCT	GCAAGTGAG CGTTCACCTC	ATGACAGGAG TACTGTCTCT	ATCCTGCCCC TAGGACGGGG	GGCACTTCGC CCGTGAAGCG
7801	CCAATAGCAG GGTTATCGTC	CCAGTCCCTT GGTCAGGGAA	CCCGCTTCAG GGGCGAAGTC	TGACAACGTC ACTGTTGCAG	GAGCACAGCT CTCGTTCGA	GCGCAAGGAA CGCGTTCCTT	CGCCGTCGCT GCGGGCAGCA	GGCCAGCCAC CCGGTTCGGT	GATAGCCGGG CTATCGGCGC	CTGCCTCGTC GACGGAGCAG
7901	CTGCAGTCA GACGTCAGT	TTCAGGGCAC AAGTCCCCTG	CGGACAGGTC GCCGTCCAG	GGTCTTGACA CCAGAACTGT	AAAAGAACC TTTTCTTGGC	GGCGCCCTG CCGCGGGGAC	CGCTGACAG GCGACTGTCT	CGGAACACGG GCCTTGTGCC	CGGCATCAGA GCTCGGCTAA	GCAGCCGATT CGTCCGCTAA
8001	GTCTGTGTG CAGACAACAC	CCCAGTCATA GGGTCAGTAT	GCCGAATAGC CGGCTTATCG	CTCTCCACCC GAGAGGTGGG	AAGCGGCCGG TTCGCCGCC	AGAACCTGCG TCTTGACGC	TGCAATCCAT ACGTTAGGTA	CTTGTTCAT GAACAAGTTA	CATGTCGACT GTACAGCTGA	GCAGAATTCG CGTCTTAAGC
8101	AAGCTTGAGC TTCGAACTCG	TCGAGATCTG AGCTCTAGAC	AGTCCGGATT TCAGGCCTAA	GGTAGATTGC CCATCTAACG	AAATATAATG TTTATAATFAC	GTTTGCGCAT CAAACCGCTA	TATCCTTGAG ATAGGAACCTC	GCCACACCTT CGGTGTGGAA	TAAATAGATC ATTTATCTAG	AATGAATGGG TFACTTACCC
8201	CAAGTATTGA GTTCAATAACT	CTTGCGATAA GAAACGCTATT	TCCTTTAACT AGGAAATTGA	TTCTGCCTAC AAGACGGATG	CATCAATGTG GTAGTTACAC	GATGAGTTGT CTACTCAACA	CGGTAAAAG GCCATTTTTC	GATCTTACAG CTAGAATGTC	CCCAAATTCG CGGTTAAGC	CTCTTAGCCG GAGAATCGGC
8301	TACAATATTA ATGTTATAAT	CTCACCGGTG GAGTGGCCAC	CGATGCCCCC GCTACGGGG	CATCGTAGGT GTAGCATCCA	GAAGTGGAA CTTCCACCTT	ATTAATGATC TAATTAAGT	CATCTTGAGA GTAGAACTCT	CCACAGGCC GGTGTCCGGG	ACAACAGCTA TGTTGTGAT	CCAGTTTCTT GGTCAAAGGA
8401	CAAGGGTCCA GTTCCAGGT	CCAAAAACGT GGTTTTTGCA	AAGCGCTTAC TTCGCGAATG	GTACATGGTC CATGTACCAG	GATAAGAAAA CTATTCTTTT	GGCAATTTGT CCGTTAAACA	AGATGTTAAC TCTACAATTG	ATCCAACGTC TAGGTTGCAG	GCTTTCAGCC CGAAAGTCGG	CGGTGGCGCG GCCACCGCGC

