

Sequences for Nebraska Transposon Mutant Library (NTML) Genetic Toolbox Plasmids

Catalog No. NR-49947

Table 1: Sequence of Plasmid pJB38 (NR-49932)

1	GAATTCGAGC	TCGGTACCCG	GGGATCCTCT	AGAGTCGACC	TGCAGGCATG	CAAGCTCTGA
61	TTTCACTTTT	TGCATTCTAC	AAACTGCATA	ACTCATATGT	AAATCGCTCC	TTTTTAGGTG
121	GCACAAATGT	GAGGCATTTT	CGCTCTTTCC	GGCGAGGCTA	GTTACCCTTA	AGTTATTGGT
181	ATGACTGGCT	TTTATAATAT	GAGATAATGC	CGACTGTAAA	AAGTACAGTC	GGCATTATCT
241	CATATTATAA	AAGCCAGTCA	TTAGGCCTAT	CTGACAATTC	CTGAATAGAG	TTCATAAACA
301	ATCCTGCATG	ATAACCATCA	CAAACAGAAT	GATGTACCTG	TAAAGATAGC	GGTAAATATA
361	TTGAATTACC	TTTATTAATG	AATTTTCCTG	CTGTAATAAT	GGGTAGAAGG	TAATTACTAT
421	TATTATTGAT	ATTTAAGTTA	AACCCAGTAA	ATGAAGTCCA	TGGAATAATA	GAAAGAGAAA
481	AAGCATTTTC	AGGTATAGGT	GTTTTGGGAA	ACAATTTCCC	CGAACCATTA	TATTTCTCTA
541	CATCAGAAAG	GTATAAATCA	TAAAACCTCT	TGAAGTCATT	CTTTACAGGA	GTCCAAATAC
601	CAGAGAATGT	TTTAGATACA	CCATCAAAAA	TTGTATAAAG	TGGCTCTAAC	TTATCCCAAT
661	AACCTAACTC	TCCGTCGCTA	TTGTAACCAG	TTCTAAAAGC	TGTATTTGAG	TTTATCACCC
721	TTGTCACTAA	GAAAATAAAT	GCAGGGTAAA	ATTTATATCC	TTCTTGTTTT	ATGTTTCGGT
781	ATAAAACACT	AATATCAATT	TCTGTGGTTA	TACTAAAAGT	CGTTTGTTGG	TTCAAATAAT
841	GATTAAATAT	CTCTTTTCTC	TTCCAATTGT	CTAAATCAAT	TTTATTAAAG	TTCATTTGAT
901	ATGCCTCCTA	AATTTTTTATC	TAAAGTGAAT	TTAGGAGGCT	TACTTGTCTG	CTTTCTTCAT
961	TAGAATCAAT	CCTTTTTTAA	AAGTCAATAT	TACTGTAACA	TAAATATATA	TTTTAAAAAT
1021	ATCCCACFTT	ATCCAATTTT	CGTTTGTTGA	ACTAATGGGT	GCTTTAGTTG	AAGAATAAAA
1081	GACCACATTA	AAAAATGTGG	TCTTTTGTGT	TTTTTTAAAG	GATTTGAGCG	TAGCGAAAAA
1141	TCCTTTTCTT	TCTTATCTTG	ATAATAAGGG	TAACATATTG	CGGGATAGAC	TGTAACATTC
1201	TCACGCATAA	AATCCCCTTT	CATTTTCTAA	TGTAATCTA	TTACCTTATT	ATTAATTCAA
1261	TTGCTCATA	ATTAATCCTT	TTTCTTATTA	CGCAAAATGG	CCCATTAA	GCACACCCTT
1321	TATTCCGTTA	ATGCGCCATG	ACAGCCATGA	TAATTACTAA	TACTAGGAGA	AGTTAATAAA
1381	TACGGGTGAT	CTAATGATTC	AATGATTCAA	ACCCTTGTGA	ACTTCTTTAG	AACAAAAGAG
1441	GTTTCGTAACA	AGATTTTCTT	CACACTAGCA	ATGTTAGTAA	TTTTTAAAT	AGGGACTTAT
1501	ATACCAGCTC	CAGGAGTAAA	TCCTGCAGCT	TTTGATAATC	CCCAAGGTT	TCAAGGTGCC
1561	ACTGAGTTAT	TAAATACTTT	TGGTGGCGGA	GCCTTGAAAC	GATTTTCTAT	TTTTGCAATG
1621	GGTATTGTAC	CCTACATCAC	TGCATCAATC	GTAATGCAAT	TATTACAAAT	GGATATTGTC
1681	CCTAAATTCT	CAGAATGGGC	AAAACAAGGT	GAAGTAGGTA	GAAGAAAGTT	AAATAACGTT
1741	ACTCGTTATT	TAGCAATTTT	TTTAGCATTT	ATCCAATCTA	TAGGTATGGC	ATTCCAATTT
1801	AATAATTATC	TCAAAGGTGC	GCTGATGAGG	GGATCCAAAT	AAAAAACTAG	TTTGACAAAT
1861	AACTCTATCA	ATGATAGAGT	GTCAACAAAA	AGGAGGAATT	ATATCAATCA	GTCAATTATG
1921	AGTTATTTAT	TAATAGCACT	AGTTTTGACA	GCAGGAACTG	CTTTCTTAAT	ATGGCTTGGT
1981	GATCAAATCA	CTCAGTTCGG	TGTTGGTAAT	GGTATTTCTA	TTATCATATT	CCCATCAAGC
2041	TTATTTTAAAT	TATACTCTAT	CAATGATAGA	GTGTCAATAT	TTTTTTTAGT	TTTTTCATGAA
2101	CTCGATCGAG	GGGATCCAAA	TAAAAAATA	GTTTGACAAA	TAACCTATC	AATGATAGAG
2161	TGTCAACAAA	AAGGAGGAAT	TAATGATGTC	TAGATTAGAT	AAAAGTAAAG	TGATTAACAG
2221	CGCATTAGAG	CTGCTTAATG	AGGTCGGAAT	CGAAGGTTTA	ACAACCCGTA	AACTCGCCCA
2281	GAAGCTAGGT	GTAGAGCAGC	CTACATTGTA	TTGGCATGTA	AAAAATAAGC	GGGCTTTGCT
2341	CGACGCCTTA	GCCATTGAGA	TGTTAGATAG	GCACCATACT	CACTTTTGCC	CTTTAGAAGG
2401	GGAAAGCTGG	CAAGATTTTT	TACGTAATAA	CGCTAAAAGT	TTTAGATGTG	CTTTACTAAG
2461	TCATCGCGAT	GGAGCAAAAG	TACATTTAGG	TACACGGCCT	ACAGAAAAAC	AGTATGAAAC
2521	TCTCGAAAAT	CAATTAGCCT	TTTTATGCCA	ACAAGGTTTT	TCACTAGAGA	ATGCATTATA
2581	TGCACTCAGC	GCTGTGGGGC	ATTTTACTTT	AGGTTGCGTA	TTGGAAGATC	AAGAGCATCA
2641	AGTCGCTAAA	GAAGAAAGGG	AAACACCTAC	TACTGATAGT	ATGCCGCCAT	TATTACGACA
2701	AGCTATCGAA	TTATTTGATC	ACCAAGGTGC	AGAGCCAGCC	TTCTTATTCG	GCCTTGAATT
2761	GATCATATGC	GGATTAGAAA	AACAACCTAA	ATGTGAAAGT	GGGTCTTAAA	AGCAGCATAA
2821	CCTTTTTTCCG	TGATGGTAAC	TTACACGGTAA	CCAAGATAAC	AAAGAATACA	AGAAAAATATT
2881	TACAAAAAAT	CAATTTAACA	ATTCTTAAA	ACATGCAGGA	ATTGACGATT	TAAACAATAT

2941 TAGCTTTGAA CAATTCCTAT CTCTTTTCAA TAGCTATAAA TTATTTAATA AGTAAGTTAA
3001 GGGATGCATA AACTGCATCC CTTAACTTGT TTTTCGTGTG CCTATTTTTT GTGAATCGAT
3061 TGCCGACTGC GCAAAAAGACA TAATCGATTA TGTCTTTTGC GCAGTCGGCT TAAACCAGTT
3121 TTTCGCTGGTG CGAAAAAAGA GTGTCTTGTG ACACTCTTAA ATTCAAAATC TATCGGTCAG
3181 ATTTATACCG ATTTGATTTT ATATATTCTT GAATAACATA CGCCGAGTTA TCACATAAAA
3241 GCGGGAACCA ATCATCAAAT TTAAACTTCA TTGCATAATC CATTAAACTC TTAAATTCTA
3301 CGATTCTTGG TTCATCAATA AACTCAATCA TTTCTTTAAT TAATTTATAT CTATCTGTTG
3361 TTGTTTTCTT TAATAATTCA TCAACATCTA CACCGCCATA AACTATCATA TCTTCTTTTT
3421 GATATTTAAA TTTATTAGGA TCGTCCATGT GAAGCATATA TCTCACAAGA CCTTTCACAC
3481 TTCCTGCAAT CTGCGGAATA GTCGCATTCA ATTCTTCTGT AATTATTTTT ATCTGTTTCT
3541 AAGATTTATT ACCCTCATA ATCACTAGAA TATGATAATG CTCTTTTTTTC ATCCTATCTT
3601 CTGTATCAGT ATCCCTATCA TGTAATGGAG ACACTACAAA TTGAATGTGT AACTCTTTTA
3661 AATACTCTAA CCACTCGGCT TTTGCTGATT CTGGATATAA AACAAATGTC CAATTACGTC
3721 CTCTTGAATT TTTCTTGTGTT TCAGTTTCTT TTATTACATT TTCGCTCATG ATATAATAAC
3781 GGTGCTAATA CATTTAACAA AATTTAGTCA TAGATAGGCA GCATGCCAGT GCTGTCTATC
3841 TTTTTTTGTT TAAAATGCAC CGTATTCCTC CTTTGCATAT TTTTTTATTA GAATACCGGT
3901 TGCATCTGAT TTGCTAATAT TATATTTTTT TTTGATTCTA TTTAATATCT CATTTTCTTC
3961 TGTTGTAAGT CTTAAAGTAA CAGCAACTTT TTTCTCTTCT TTTCTATCTA CAACCATCAC
4021 TGTACCTCCC AACATCTGTT TTTTTCACTT TAACATAAAA AACAACCTTT TAACATAAA
4081 AACCCAATAT TTATTTATTT GTTTGGACAA TGGACAATGG ACACCTAGGG GGGAGGTCGT
4141 AGTACCCCCC TATGTTTTCT CCCCTAAAATA ACCCCAAAAA TCTAAGAAAA AAAGACCTCA
4201 AAAAGGTCTT TAATTAACAT CTCAAATTTT GCATTTATTC CAATTTCTT TTTGCGTGTG
4261 ATGCGCTGCG TCCATTAATA ATCCTAGAGC TTTGCAACCG AAAGTTAATA GCTGTGCGTA
4321 CTACTTTCGC TTACGCTCTA AGTATATTTT AAGGACTGTC ACACGCAAAA AGTTTTCTCG
4381 GCATAAAAGT ACCTCTACAT CTCTAAATCG TCTGTACGCT GTTTCTCACG CTTTCTATCG
4441 ACCTTCTGGA CATTATCCTG TACAACATCC ATAAACTGTC CCACACGCTC GAATTTGGAA
4501 TCATTAAGA ATTTCTCTTT AAGCCTATTA AACCTTTCT CAAACCCAGG GAAATTCGCC
4561 CTCGCAGCAC GATATAAAGT CACTGTACTA TCTTGAAATT TCTCTGATAC ATTCAACTGC
4621 TCATTCAAAC TATCATTCTC TCGCTTTAAT TTATTAACCT CTTTACTTTT TTCGTGATAC
4681 CCCTCTTTCC ATGTATTAC TACTTCTTTC AAACCTCTC TACGTTTTTT TAATTCTTGA
4741 TTTTCTGTGT AATAGTCTGT GCTCTTAATA TTTTCGTAAT CATCAACAAT CCGTTCCTGC
4801 CTCGCGCGTT TCGGTGATGA CGGTGAAAAC CTCTGACACA TGCAGCTCCC GGAGACGGTC
4861 ACAGCTTGTC TGTAAGCGGA TGCCGGGAGC AGACAAGCCC GTCAGGGCGC GTCAGCGGGT
4921 GTTGGCGGGT GTCGGGGCGC AGCCATGACC CAGTCACGTA GCGATAGCGG AGTGTATACT
4981 GGCTTAACTA TGCGGCATCA GAGCAGATTG TACTGAGAGT GCACCATATG CGGTGTGAAA
5041 TACCGCACAG ATGCGTAAGG AGAAAATACC GCATCAGGCG CTCTTCCGCT TCCTCGCTCA
5101 CTGACTCGCT GCGCTCGGTC GTTCGGCTGC GCGAGCGGT ATCAGCTCAC TCAAAGGCGG
5161 TAATACGGTT ATCCACAGAA TCAGGGGATA ACGCAGGAAA GAACATGTGA GCAAAAGGCC
5221 AGCAAAAGGC CAGGAACCGT AAAAAAGCCG CGTTGCTGGC GTTTTTCCAT ATCCTCCGCC
5281 CCCCTGACGA GCATCACAAA AATCGACGCT CAAGTCAGAG GTGGCGAAAC CCGACAGGAC
5341 TATAAAGATA CCAGGCGTTT CCCCCTGGAA GCTCCCTCGT GCGCTCTCCT GTTCCGACCC
5401 TGCCGCTTAC CGGATACCTG TCCGCCTTTC TCCCTTCGGG AAGCGTGGCG CTTTCTCATA
5461 GCTCACGCTG TAGGTATCTC AGTTCGGTGT AGGTCGTTTC CTCCAAGCTG GGCTGTGTGC
5521 ACGAACCCCC CGTTCAGCCC GACCGCTGCG CCTTATCCGG TAACTATCGT CTTGAGTCCA
5581 ACCCGGTAAG ACACGACTTA TCGCCACTGG CAGCAGCCAC TGGTAACAGG ATTAGCAGAG
5641 CGAGGTATGT AGGCGGTGCT ACAGAGTTCT TGAAGTGGTG GCCTAACTAC GGCTACACTA
5701 GAAGGACAGT ATTTGGTATC TCGCTCTGCG TGAAGCCAGT TACCTTCGGA AAAAGAGTTG
5761 GTAGCTCTTG ATCCGGCAAA CAAACCACCG CTGGTAGCGG TGGTTTTTTTT GTTTGCAAGC
5821 AGCAGATTAC GCGCAGAAAA AAAGGATCTC AAGAAGATCC TTTGATCTTT TCTACGGGGT
5881 CTGACGCTCA GTGGAACGAA AACTCACGTT AAGGGATTTT GGTCATGAGA TTATCAAAAA
5941 GGATCTTCAC CTAGATCCTT TTAAATTTAAA AATGAAGTTT TAAATCAATC TAAAGTATAT
6001 ATGAGTAAAC TTGGTCTGAC AGTTACCAAT GCTTAATCAG TGAGGCACCT ATCTCAGCGA
6061 TCTGTCTATT TCGTTCATCC ATAGTTGCCT GACTCCCCGT CGTGTAGATA ACTACGATAC
6121 GGGAGGGCTT ACCATCTGGC CCCAGTGCTG CAATGATACC GCGAGACCCA CGCTCACCGG

6181 CTCCAGATTT ATCAGCAATA AACCAGCCAG CCGGAAGGGC CGAGCGCAGA AGTGGTCCTG
 6241 CAACTTTATC CGCCTCCATC CAGTCTATTA ATTGTTGCCG GGAAGCTAGA GTAAGTAGTT
 6301 CGCCAGTTAA TAGTTTGCGC AACGTTGTTG CCATTGCTGC AGGCATCGTG GTGTCACGCT
 6361 CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATCAAGGCGA GTTACATGAT
 6421 CCCCCATGTT GTGCAAAAAA GCGGTTAGCT CCTTCGGTCC TCCGATCGTT GTCAGAAGTA
 6481 AGTTGGCCGC AGTGTTATCA CTCATGGTTA TGGCAGCACT GCATAATTCT CTTACTGTCA
 6541 TGCCATCCGT AAGATGCTTT TCTGTGACTG GTGAGTACTC AACCAAGTCA TTCTGAGAAT
 6601 AGTGTATGCG GCGACCGAGT TGCTCTTGCC CGGCGTCAAC ACGGGATAAT ACCGCGCCAC
 6661 ATAGCAGAAC TTTAAAAGTG CTCATCATTG GAAAACGTTT TTCGGGGCGA AAACCTCTCAA
 6721 GGATCTTACC GCTGTTGAGA TCCAGTTCGA TGTAACCCAC TCGTGCACCC AACTGATCTT
 6781 CAGCATCTTT TACTTTCACC AGCGTTTCTG GGTGAGCAAA AACAGGAAGG CAAAATGCCG
 6841 CAAAAAAGGG AATAAGGGCG ACACGGAAAT GTTGAATACT CATACTCTTC CTTTTTCAAT
 6901 ATTATTGAAG CATTTATCAG GGTTATTGTC TCATGAGCGG ATACATATTT GAATGTATTT
 6961 AGAAAAATAA ACAAATAGGG GTTCCGCGCA CATTTCCCCG AAAAGTGCCA CCTGACGTCT
 7021 AAGAAACCAT TATTATCATG ACATTAACCT ATAAAAATAG GCGTATCACG AGGCCCTTTC
 7081 GTCTTCAA

Table 2: Sequence of Plasmid pTnT (NRC-49933)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCCTACT	TGGAAAACATA	CCTGTTCCAT	GGCCAACACT	TGTCCTACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGCGCCAT	ACCACAGATG
541	TTCCAGATAA	ATATTGGAAG	CTATATACGT	ACTTTGTTTC	AAAATGGGTC	AATCGAGAAT
601	ATCGTCAACT	GTTTACTAAA	AATCAGTTTC	ATCAAGCAAT	GAAACACGCC	AAAGTAAACA
661	ATTTAAGTAC	CGTTACTTAT	GAGCAAGTAT	TGTCTATTTT	TAATAGTTAT	CTATTATTTA
721	ACGGGAGGAA	ATAATTCTAT	GAGTCGCTTT	TGTAAATTTG	GAAAGTTACA	CGTTACTAAA
781	GGGAATGTAG	ATAAATTATT	AGGTATACTA	CTGACAGCTT	CCAAGGAGCT	AAAGAGGTCC
841	CTAGCGCCTA	CGGGGAATTT	GTATCGATAA	GGAATAGATT	TAAAAATTTT	GCTGTTATTT
901	TGTACAATAA	GGATAAATTT	GAATGGTACC	ATAAACGACC	GTTTATGGTA	CCATTTTCATT
961	TTCTGCTTTT	TTCTAAATGT	TTTTTAAGTA	AATCAAGTAC	CAAAATCCGT	TCCTTTTTTCA
1021	TAGTTCCTAT	ATAGTTATAC	GCGTCTAGAG	ACGTCGACCT	GCAGGCATGC	AAGCTCTGAT
1081	TTCACTTTTT	GCATTCTACA	AACTGCATAA	CTCATATGTA	AATCGCTCCT	TTTTAGGTGG
1141	CACAAATGTG	AGGCATTTTC	GCTCTTTCCG	GCGAGGCTAG	TTACCCTTAA	GTTATTGGTA
1201	TGACTGGCAT	TATCTCATAT	TATAAAAGCC	AGTCATTAGG	CCTATCTGAC	AATTCCTGAA
1261	TAGAGTTCAT	AAACAATCCT	GCATGATAAC	CATCACAAAC	AGAATGATGT	ACCTGTAAAG
1321	ATAGCGGTAA	ATATATTGAA	TTACCTTTAT	TAATGAATTT	TCCTGCTGTA	ATAATGGGTA
1381	GAAGGTAATT	ACTATTATTA	TTGATATTTA	AGTTAAACCC	AGTAAATGAA	GTCCATGGAA
1441	TAATAGAAAG	AGAAAAAGCA	TTTTCAGGTA	TAGGTGTTTT	GGGAAACAAT	TTCCCCGAAC
1501	CATTATATTT	CTCTACATCA	GAAAGGTATA	AATCATAAAA	CTCTTTGAAG	TCATTCTTTA
1561	CAGGAGTCCA	AATACCAGAG	AATGTTTTAG	ATACACCATC	AAAAATTGTA	TAAAGTGGCT
1621	CTAACTTATC	CCAATAACCT	AACTCTCCGT	CGCTATTGTA	ACCAGTTCTA	AAAGCTGTAT
1681	TTGAGTTTAT	CACCCTTGTC	ACTAAGAAAA	TAAATGCAGG	GTAAAATTTA	TATCCTTCTT
1741	GTTTTATGTT	TCGGTATAAA	ACACTAATAT	CAATTTCTGT	GGTTATACTA	AAAGTCGTTT
1801	GTTGGTTCAA	ATAATGATTA	AATATCTCTT	TTCTCTTCCA	ATTGTCTAAA	TCAATTTTAT
1861	TAAAGTTCAT	TTGATATGCC	TCCTAAATTT	TTATCTAAAG	TGAATTTAGG	AGGCTTACTT
1921	GTCTGCTTTC	TTCAATTAGAA	TCAATCCTTT	TTTTAAAAGTC	AATATTACTG	TAACATAAAT
1981	ATATATTTTTA	AAAATATCCC	ACTTTATCCA	ATTTTCGTTT	GTTGAACTAA	TGGGTGCTTT
2041	AGTTGAAGAA	TAAAAGACCA	CATTAAAAAA	TGTGGTCTTT	TGTGTTTTTT	TAAAGGATTT
2101	GAGCGTAGCG	AAAAATCCTT	TTCTTTCTTA	TCTTGATAAT	AAGGGTAACT	ATTGCCGGGA
2161	TAGACTGTAA	CATTCTCACG	CATAAAATCC	CCTTTCATTT	TCTAATGTAA	ATCTATTACC
2221	TTATTATTAA	TTCAATTGCG	TCATAATTAA	TCCTTTTTTCT	TATTACGCAA	AATGGCCCCG
2281	TTTAAGCACA	CCCTTTATTC	CGTTAATGCG	CCATGACAGC	CATGATAAAT	ACTAATACTA
2341	GGAGAAGTTA	ATAAATACGG	GTGATCTAAT	GATTCAATGA	TTCAAACCTT	TGTGAACCTC
2401	TTTAGAACAA	AAGAGGTTTCG	TAACAAGATT	TTCTTCACAC	TAGCAATGTT	AGTAATTTTT
2461	AAAATAGGGA	CTTATATACC	AGCTCCAGGA	GTAAATCCTG	CAGCTTTTGA	TAATCCCCAA
2521	GGTTCTCAAG	GTGCCACTGA	GTTATTAAAT	ACTTTTGGTG	GCGGAGCCTT	GAAACGATTT
2581	TCTATTTTTG	CAATGGGTAT	TGTACCCTAC	ATCACTGCAT	CAATCGTAAT	GCAATTATTA
2641	CAAATGGATA	TTGTCCCTAA	ATTCTCAGAA	TGGGCAAAAC	AAGGTGAAGT	AGGTAGAAGA
2701	AAGTTAAATA	ACGTTACTCG	TTATTTAGCA	ATTTCTTTAG	CATTTATCCA	ATCTATAGGT
2761	ATGGCATTCC	AATTTAATAA	TTATCTCAAA	GGTGCCTGTA	TTATCAATCA	GTCAATTATG
2821	AGTTATTTAT	TAATAGCACT	AGTTTTGACA	GCAGGAACTG	CTTCTTAAT	ATGGCTTGGT
2881	GATCAAATCA	CTCAGTTCGG	TGTTGGTAAT	GGTATTTCTA	TTATCATATT	CCCATCAAGC
2941	TTATTTTAAT	TATACTCTAT	CAATGATAGA	GTGTCAATAT	TTTTTTTAGT	TTTTTCATGAA
3001	CTCGATCGAG	GGGATCCAAA	TAAAAAATA	GTTTGACAAA	TAACTCTATC	AATGATAGAG
3061	TGTCAACAAA	AAGGAGGAAT	TAATGATGTC	TAGATTAGAT	AAAAGTAAAG	TGATTAACAG
3121	CGCATTAGAG	CTGCTTAATG	AGGTCCGAAT	CGAAGGTTTA	ACAACCCGTA	AACTCGCCCA

3181 GAAGCTAGGT GTAGAGCAGC CTACATTGTA TTGGCATGTA AAAAATAAGC GGGCTTTGCT
3241 CGACGCCTTA GCCATTGAGA TGTTAGATAG GCACCATACT CACTTTTGCC CTTTAGAAGG
3301 GGAAAGCTGG CAAGATTTTT TACGTAATAA CGCTAAAAGT TTTAGATGTG CTTTACTAAG
3361 TCATCGCGAT GGAGCAAAAG TACATTTAGG TACACGGCCT ACAGAAAAAC AGTATGAAAC
3421 TCTCGAAAAT CAATTAGCCT TTTTATGCCA ACAAGGTTTT TCACTAGAGA ATGCATTATA
3481 TGCACTCAGC GCTGTGGGGC ATTTTACTTT AGGTTGCGTA TTGGAAGATC AAGAGCATCA
3541 AGTCGCTAAA GAAGAAAGGG AAACACCTAC TACTGATAGT ATGCCGCCAT TATTACGACA
3601 AGCTATCGAA TTATTTGATC ACCAAGGTGC AGAGCCAGCC TTCTTATTCG GCCTTGAATT
3661 GATCATATGC GGATTAGAAA AACAACCTAA ATGTGAAAGT GGGTCTTAAA AGCAGCATAA
3721 CCTTTTTCCG TGATGGTAAC TTCACGGTAA CCAAGATAAC AAAGAATACA AGAAAATATT
3781 TACAAAAAAT CAATTTAACA ATTCCTTAAA ACATGCAGGA ATTGACGATT TAAACAATAT
3841 TAGCTTTGAA CAATTCCTAT CTCTTTTCAA TAGCTATAAA TTATTTAATA AGTAAGTTAA
3901 GGGATGCATA AACTGCATCC CTTAACTTGT TTTTCGTGTG CCTATTTTTT GTGAATCGAT
3961 TGCCGACTGC GCAAAAAGACA TAATCGATTA TGTCTTTTGC GCAGTCGGCT TAAACCAGTT
4021 TTCGCTGGTG CGAAAAAGA GTGTCTTGTG AACTCTTAA ATTCAAAATC TATCGGTCAG
4081 ATTTATACCG ATTTGATTTT ATATATTCTT GAATAACATA CGCCGAGTTA TCACATAAAA
4141 GCGGGAACCA ATCATCAAAT TTAAACTTCA TTGCATAATC CATTAAACTC TTAAATTCTA
4201 CGATTCCCTG TTCATCAATA AACTCAATCA TTTCTTTAAT TAATTTATAT CTATCTGTTG
4261 TTGTTTTCTT TAATAATTCA TCAACATCTA CACCGCCATA AACTATCATA TCTTCTTTTT
4321 GATATTTAAA TTTATTAGGA TCGTCCATGT GAAGCATATA TCTCACAAGA CCTTTCACAC
4381 TTCTTGAAT CTGCGGAATA GTCGCATTCA ATTCTTCTGT AATTATTTTT ATCTGTTTCA
4441 AAGATTTATT ACCCTCATA ATCACTAGAA TATGATAATG CTCTTTTTTC ATCCTATCTT
4501 CTGTATCAGT ATCCCTATCA TGTAATGGAG AACTACAAA TTGAATGTGT AACTCTTTTA
4561 AATACTCTAA CCACTCGGCT TTTGCTGATT CTGGATATAA AACAAATGTC CAATTACGTC
4621 CTCTTGAATT TTTCTTGTTC TCAGTTTCTT TTATTACATT TTCGCTCATG ATATAATAAC
4681 GGTGCTAATA CATTTAACAA AATTTAGTCA TAGATAGGCA GCATGCCAGT GCTGTCTATC
4741 TTTTTTTGTT TAAAATGCAC CGTATTCCTC CTTTGCATAT TTTTTTATTA GAATACCGGT
4801 TGCATCTGAT TTGCTAATAT TATATTTTTT TTTGATTCTA TTTAATATCT CATTTTCTTC
4861 TGTTGTAAGT CTTAAAGTAA CAGCAACTTT TTTCTCTTCT TTTCTATCTA CAACCATCAC
4921 TGTACCTCCC AACATCTGTT TTTTTCACTT TAACATAAAA AACAACTTTT TAACATTA
4981 AACCCAATAT TTATTTATTT GTTTGGACAA TGGACAATGG ACACCTAGGG GGGAGGTCGT
5041 AGTACCCCCC TATGTTTTCT CCCCTAAATA ACCCCAAAAA TCTAAGAAAA AAAGACCTCA
5101 AAAAGGTCTT TAATTAACAT CTCAAATTTT GCATTTATTC CAATTTCTCT TTTGCGTGTG
5161 ATGCGCTGCG TCCATTAATA ATCCTAGAGC TTTGCAACCG AAAGTTAATA GCTGTGCGTA
5221 CTACTTTCGC TTACGCTCTA AGTATATTTT AAGGACTGTC ACACGCAAAA AGTTTTCTCG
5281 GCATAAAAGT ACCTCTACAT CTCTAAATCG TCTGTACGCT GTTTCTCACG CTTTCTATCG
5341 ACCTTCTGGA CATTATCCTG TACAACATCC ATAAACTGTC CCACACGCTC GAATTTGGAA
5401 TCATTAAAGA ATTTCTCTTT AAGCCTATTA AACCCTTTCT CAAACCCAGG GAAATTCGCC
5461 CTCGCAAGAC GATATAAAGT CACTGTACTA TCTTGAAATT TCTCTGATAC ATTCAACTGC
5521 TCATTCAAAC TATCATCTC TCGCTTTAAT TTATTAACCT CTTTACTTTT TTCGTGATAC
5581 CCCTCTTTCC ATGTATTCAC TACTTCTTTC AAACCTCTC TACGTTTTTT TAATTCTTGA
5641 TTTTCTGTGT AATAGTCTGT GCTCTTAATA TTTTCGTAAT CATCAACAAT CCGTTCCTGC
5701 CTCGCGCGTT TCGGTGATGA CGGTGAAAAC CTCTGACACA TGCAGCTCCC GGAGACGGTC
5761 ACAGCTTGTC TGTAAGCGGA TGCCGGGAGC AGACAAGCCC GTCAGGGCGC GTCAGCGGGT
5821 GTTGGCGGGT GTCGGGGCGC AGCCATGACC CAGTCACGTA GCGATAGCGG AGTGTATACT
5881 GGCTTAACTA TGCGGCATCA GAGCAGATTG TACTGAGAGT GCACCATATG CGGTGTGAAA
5941 TACCGCACAG ATGCGTAAGG AGAAAATACC GCATCAGGCG CTCTTCCGCT TCCTCGCTCA
6001 CTGACTCGCT GCGCTCGGTC GTTCGGCTGC GCGGAGCGGT ATCAGCTCAC TCAAAGGCGG
6061 TAATACGGTT ATCCACAGAA TCAGGGGATA ACGCAGGAAA GAACATGTGA GCAAAAGGCC
6121 AGCAAAAGGC CAGGAACCGT AAAAAGGCCG CGTTGCTGGC GTTTTTCCAT AGGCTCCGCC
6181 CCCCTGACGA GCATCACAAA AATCGACGCT CAAGTCAGAG GTGGCGAAAC CCGACAGGAC
6241 TATAAAGATA CCAGGCGTTT CCCCTGGAA GCTCCCTCGT GCGCTCTCCT GTTCCGACCC
6301 TGCCGCTTAC CGGATACCTG TCCGCCTTTC TCCCTTCGGG AAGCGTGGCG CTTTCTCATA
6361 GCTCACGCTG TAGGTATCTC AGTTCGGTGT AGGTCGTTTC CTCCAAGCTG GGCTGTGTGC

6421 ACGAACCCCC CGTTCAGCCC GACCGCTGCG CCTTATCCGG TAACTATCGT CTTGAGTCCA
6481 ACCCGGTAAG ACACGACTTA TCGCCACTGG CAGCAGCCAC TGGTAACAGG ATTAGCAGAG
6541 CGAGGTATGT AGGCGGTGCT ACAGAGTTCT TGAAGTGGTG GCCTAACTAC GGCTACACTA
6601 GAAGGACAGT ATTTGGTATC TGCGCTCTGC TGAAGCCAGT TACCTTCGGA AAAAGAGTTG
6661 GTAGCTCTTG ATCCGGCAAA CAAACCACCG CTGGTAGCGG TGGTTTTTTTT GTTTGCAAGC
6721 AGCAGATTAC GCGCAGAAAA AAAGGATCTC AAGAAGATCC TTTGATCTTT TCTACGGGGT
6781 CTGACGCTCA GTGGAACGAA AACTCACGTT AAGGGATTTT GGTCATGAGA TTATCAAAAA
6841 GGATCTTCAC CTAGATCCTT TTAATTTAAA AATGAAGTTT TAAATCAATC TAAAGTATAT
6901 ATGAGTAAAC TTGGTCTGAC AGTTACCAAT GCTTAATCAG TGAGGCACCT ATCTCAGCGA
6961 TCTGTCTATT TCGTTCATCC ATAGTTGCC TACTCCCCGT CGTGTAGATA ACTACGATAC
7021 GGGAGGGCTT ACCATCTGGC CCCAGTGCTG CAATGATACC GCGAGACCCA CGCTCACCGG
7081 CTCCAGATTT ATCAGCAATA AACCAGCCAG CCGGAAGGGC CGAGCGCAGA AGTGGTCCCTG
7141 CAACTTTATC CGCCTCCATC CAGTCTATTA ATTGTTGCCG GGAAGCTAGA GTAAGTAGTT
7201 CGCCAGTTAA TAGTTTGCGC AACGTTGTTG CCATTGCTGC AGGCATCGTG GTGTCACGCT
7261 CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATCAAGGCGA GTTACATGAT
7321 CCCCCATGTT GTGCAAAAAA GCGGTTAGCT CCTTCGGTCC TCCGATCGTT GTCAGAAGTA
7381 AGTTGGCCGC AGTGTTATCA CTCATGGTTA TGGCAGCACT GCATAATTCT CTTACTGTCA
7441 TGCCATCCGT AAGATGCTTT TCTGTGACTG GTGAGTACTC AACCAAGTCA TTCTGAGAAT
7501 AGTGTATGCG GCGACCGAGT TGCTCTTGCC CGGCGTCAAC ACGGGATAAT ACCGCGCCAC
7561 ATAGCAGAAC TTTAAAAGTG CTCATCATTG GAAAACGTTT TTCGGGGCGA AACTCTCAA
7621 GGATCTTACC GCTGTTGAGA TCCAGTTCGA TGTAACCCAC TCGTGCACCC AACTGATCTT
7681 CAGCATCTTT TACTTTCACC AGCGTTTCTG GGTGAGCAAA AACAGGAAGG CAAAATGCCG
7741 CAAAAAAGGG AATAAGGGCG ACACGGAAAT GTTGAATACT CATACTCTTC CTTTTTCAAT
7801 ATTATTGAAG CATTTATCAG GGTTATTGTC TCATGAGCGG ATACATATTT GAATGTATTT
7861 AGAAAAATAA ACAAATAGGG GTTCCGCGCA CATTTCCCCG AAAAGTGCCA CCTGACGTCT
7921 AAGAAACCAT TATTATCATG ACATTAACCT ATAAAAATAG GCGTATCACG AGGCCCTTTC
7981 GTCTTCAA

Table 3: Sequence of Plasmid pSPC (NRC-49934)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCCTACT	TGGAAAACATA	CCTGTTCCAT	GGCCAACACT	TGTCCTACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAAGTACA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGATCGA	ATCCCTTCGT
541	GAGCATCAAA	TAACAGCAAA	TGTAGTCTCA	AAACCCAAAG	AAAGTTCTCG	TTCCGGAGGAA
601	ATCCTTATTG	AAACCTTAAA	AAGAAGAGTA	ATGGAATTAG	AAAAAGAAAA	TAAAAAATTA
661	CAGAACCAAA	TTCAAAAATT	ATATGGAGAT	CTGTATAATA	AAGAATAATT	ATTAATCTGT
721	AGACAAATTG	TGAAAGGATG	TACTTAAACG	CTAACGGTCA	GCTTTATTGA	ACAGTAATTT
781	AAGTATATGT	CCAATCTAGG	GTAAGTAAAT	TGAGTATCAA	TATAAACTTT	ATATGAACAT
841	AATCAACGAG	GTGAAATCAT	GAGCAATTTG	ATTAACGGAA	AAATACCAAA	TCAAGCGATT
901	CAAACATTAA	AAATCGTAAA	AGATTTATTT	GGAAGTTCAA	TAGTTGGAGT	ATATCTATTT
961	GGTTCAGCAG	TAAATGGTGG	TTTACGCATT	AACAGCGATG	TAGATGTTCT	AGTCGTCGTG
1021	AATCATAGTT	TACCTCAATT	AACTCGAAAA	AAACTAACAG	AAAGACTAAT	GACTATATCA
1081	GGAAAGATTG	GAAATACGGA	TTCTGTTAGA	CCACTTGAAG	TTACGGTTAT	AAATAGGAGT
1141	GAAGTTGTCC	CTTGGAATA	TCCTCCAAAA	AGAGAATTTA	TATACGGTGA	GTGGCTCAGG
1201	GGTGAATTTG	AGAATGGACA	AATTCAGGAA	CCAAGCTATG	ATCCTGATTT	GGCTATTGTT
1261	TTAGCACAAAG	CAAGAAAGAA	TAGTATTTCT	CTATTTGGTC	CTGATTCTTC	AAGTATACTT
1321	GTCTCCGTAC	CTTTGACAGA	TATTCGAAGA	GCAATTAAGG	ATTCTTTGCC	AGAATAAAT
1381	GAGGGATAAA	AAGGTGATGA	GCGTAATGTA	ATTTTAACCC	TAGCTCGAAT	GTGGCAACA
1441	GAGACTACTG	GTGAAATTAC	CTCGAAAGAT	GTCGCTGCAG	AATGGGCTAT	ACCTCTTTTA
1501	CCTAAAGAGC	ATGTAACCTT	ACTGGATATA	GCTAGAAAAG	GCTATCGGGG	AGAGTGTGAT
1561	GATAAGTGGG	AAGGACTATA	TTCAAAGGTG	AAAGCACTCG	TTAAGTATAT	GAAAAATTCT
1621	ATAGAAAATT	CTCTCAATTA	GCCTAGCGCC	ATACCACAGA	TGTTCCAGAT	AAATATTGGA
1681	AGCTATATAC	GTAATTTGTT	TCAAAATGGG	TCAATCGAGA	ATATCGTCAA	CTGTTTACTA
1741	AAAATCAGTT	TCATCAAGCA	ATGAAACACG	CCAAAGTAAA	CAATTTAAGT	ACCGTTACTT
1801	ATGAGCAAGT	ATTGTCTATT	TTTAATAGTT	ATCTATTATT	TAACGGGAGG	AAATAATTCT
1861	ATGAGTCGCT	TTTGTAATTT	TGGAAAGTTA	CACGTTACTA	AAGGGAATGT	AGATAAATTA
1921	TTAGGTATAC	TACTGACAGC	TTCCAAGGAG	CTAAAGAGGT	CCCTAGCGCC	TACGGGGAAT
1981	TTGTATCGAT	AAGGAATAGA	TTTAAAAATT	TCGCTGTTAT	TTTGTACAAT	AAGGATAAAT
2041	TTGAATGGTA	CCATAAACGA	CCGTTTATGG	TACCATTTCA	TTTTCTGCT	TTTTCTAAAT
2101	GTTTTTTAAG	TAAATCAAGT	ACCAAAATCC	GTTTCTTTTT	CATAGTTCTT	ATATAGTTAT
2161	ACGCGTCTAG	AGACGTCGAC	CTGCAGGCAT	GCAAGCTCTG	ATTTCACTTT	TTGCATTCTA
2221	CAAACGTCAT	AACTCATATG	TAAATCGCTC	CTTTTTAGGT	GGCACAAATG	TGAGGCATTT
2281	TCGCTCTTTC	CGGCGAGGCT	AGTTACCCTT	AAGTTATTGG	TATGACTGGC	TTTTATAATA
2341	TGAGATAATG	CCGACTGTAA	AAAGTACAGT	CGGCATTATC	TCATATTATA	AAAGCCAGTC
2401	ATTAGGCCTA	TCTGACAATT	CCTGAATAGA	GTTTATAAAC	AATCCTGCAT	GATAACCATC
2461	ACAAACAGAA	TGATGTACCT	GTAAGATAG	CGGTAATAT	ATTGAATTAC	CTTTATTAAT
2521	GAATTTTCTT	GCTGTAATAA	TGGGTAGAAG	GTAATTACTA	TTATTATTGA	TATTTAAGTT
2581	AAACCCAGTA	AATGAAGTCC	ATGGAATAAT	AGAAAAGAGAA	AAAGCATTTT	CAGGTATAGG
2641	TGTTTTGGGA	AACAATTTCC	CCGAACCATT	ATATTTCTCT	ACATCAGAAA	GGTATAAATC
2701	ATAAAAATTCT	TTGAAGTCAT	TCTTTACAGG	AGTCCAAATA	CCAGAGAATG	TTTTAGATAC
2761	ACCATCAAAA	ATTGTATAAA	GTGGCTCTAA	CCTATCCCAA	TAACCTAACT	CTCCGTCGCT
2821	ATTGTAACCA	GTTCTAAAAG	CTGTATTTGA	GTTTATCACC	CTTGTCCTA	AGAAAATAAA
2881	TGCAGGGTAA	AATTTATATC	CTTCTTGTTT	TATGTTTCGG	TATAAAACAC	TAATATCAAT
2941	TTCTGTGGTT	ATACTAAAAG	TCGTTTGTTG	GTTCAAATAA	TGATTAATAA	TCTCTTTTCT
3001	CTTCCAATTG	TCTAAATCAA	TTTTATTAAA	GTTTCAATTTGA	TATGCCTCCT	AAATTTTTTAT
3061	CTAAAGTGAA	TTTAGGAGGC	TTACTTGTCT	GCTTTCTTCA	TTAGAATCAA	TCCTTTTTTA
3121	AAAGTCAATA	TTACTGTAAC	ATAAATATAT	ATTTTAAAAA	TATCCCACTT	TATCCAATTT

3181 TCGTTTGTG AACTAATGGG TGCTTTAGTT GAAGAATAAA AGACCACATT AAAAAATGTG
 3241 GTCTTTTGTG TTTTTTTAAA GGATTTGAGC GTAGCGAAAA ATCCTTTTCT TTCTTATCTT
 3301 GATAATAAGG GTAACATTTG CCGGGATAGA CTGTAACATT CTCACGCATA AAATCCCCTT
 3361 TCATTTTCTA ATGTAAATCT ATTACCTTAT TATTAATTCA ATTCGCTCAT AATTAATCCT
 3421 TTTTCTTATT ACGCAAAATG GCCCGATTTA AGCACACCCT TTATTCCGTT AATGCGCCAT
 3481 GACAGCCATG ATAATTACTA ATACTAGGAG AAGTTAATAA ATACGGGTGA TCTAATGATT
 3541 CAATGATTCA AACCCCTGTG AACTTCTTTA GAACAAAAGA GGTTTCGTAAC AAGATTTTCT
 3601 TCACACTAGC AATGTTAGTA ATTTTTAAAA TAGGGACTTA TATACCAGCT CCAGGAGTAA
 3661 ATCCTGCAGC TTTTGATAAT CCCCAGGTT CTCAAGGTGC CACTGAGTTA TTAATACTT
 3721 TTGGTGGCGG AGCCTTGAAA CGATTTTCTA TTTTGTCAAT GGGTATTGTA CCCTACATCA
 3781 CTGCATCAAT CGTAATGCAA TTATTACAAA TGGATATTGT CCCTAAATTC TCAGAATGGG
 3841 CAAAACAAGG TGAAGTAGGT AGAAGAAAGT TAAATAACGT TACTCGTTAT TTAGCAATTT
 3901 CTTTAGCATT TATCCAATCT ATAGGTATGG CATTCCAATT TAATAATTAT CTCAAAGGTG
 3961 CGCTGATTAT CAATCAGTCA ATTATGAGTT ATTTATTAAT AGCACTAGTT TTGACAGCAG
 4021 GAACTGCTTT CTTAATATGG CTTGGTGATC AAATCACTCA GTTCGGTGTT GGTAATGGTA
 4081 TTTCTATTAT CATATTCCCA TCAAGCTTAT TTTAATTATA CTCTATCAAT GATAGAGTGT
 4141 CAATATTTTT TTTAGTTTTT CATGAACTCG ATCGAGGGGA TCCAAATAAA AAAC TAGTTT
 4201 GACAAATAAC TCTATCAATG ATAGAGTGTC AACAAAAAGG AGGAATTAAT GATGTCTAGA
 4261 TTAGATAAAA GTAAAGTGAT TAACAGCGCA TTAGAGCTGC TTAATGAGGT CGGAATCGAA
 4321 GGTTTAACAA CCCGTAAACT CGCCCAGAAG CTAGGTGTAG AGCAGCCTAC ATTGTATTGG
 4381 CATGTAAAAA ATAAGCGGGC TTTGCTCGAC GCCTTAGCCA TTGAGATGTT AGATAGGCAC
 4441 CATACTCACT TTTGCCCTTT AGAAGGGGAA AGCTGGCAAG ATTTTTTACG TAATAACGCT
 4501 AAAAGTTTTA GATGTGCTTT ACTAAGTCAT CGCGATGGAG CAAAAGTACA TTTAGGTACA
 4561 CGGCCTACAG AAAAAACAGTA TGAAACTCTC GAAAATCAAT TAGCCTTTTT ATGCCAACAA
 4621 GGTTTTTCAC TAGAGAATGC ATTATATGCA CTCAGCGCTG TGGGGCATT TACTTTAGGT
 4681 TGCGTATTGG AAGATCAAGA GCATCAAGTC GCTAAAGAAG AAAGGGAAAC ACCTACTACT
 4741 GATAGTATGC CGCCATTATT ACGACAAGCT ATCGAATTAT TTGATCACCA AGGTGCAGAG
 4801 CCAGCCTTCT TATTCGGCCT TGAATTGATC ATATGCGGAT TAGAAAAACA ACTTAAATGT
 4861 GAAAGTGGGT CTTAAAAGCA GCATAACCTT TTTCCGTGAT GGTAACCTCA CGGTAACCAA
 4921 GATAACAAAG AATACAAGAA AATATTTACA AAAAATCAAT TTAACAATTC CTTAAAACAT
 4981 GCAGGAATTG ACGATTTAAA CAATATTAGC TTTGAACAAT TCTTATCTCT TTTCAATAGC
 5041 TATAAATTAT TTAATAAGTA AGTTAAGGGA TGCATAAACT GCATCCCTTA ACTTGTATTT
 5101 CATGTGCCTA TATGTCTTTT GCGCAGTCGG CTTAAACCAG TTTTCGCTGG TCGCAAAAAA
 5161 GAGTGTCTTG TGACACTCTT AAATTCAAAA TCTATCGGTC AGATTTTATAC CGATTTGATT
 5221 TTATATATTC TTGAATAACA TACGCCGAGT TATCACATAA AAGCGGGAAC CAATCATCAA
 5281 ATTTAAACTT CATTGCATAA TCCATTAAAC TCTTAAATTC TACGATTCTT TGTTTCATCAA
 5341 TAAACTCAAT CATTCTTTTA ATTAATTTAT ATCTATCTGT TGTTGTTTTT TTTAATAATT
 5401 CATCAACATC TACACCGCCA TAAACTATCA TATCTTCTTT TTGATATTTA AATTTATTAG
 5461 GATCGTCCAT GTGAAGCATA TATCTCACAA GACCTTTCAC ACTTCTTGCA ATCTGCGGAA
 5521 TAGTCGCATT CAATCTTCT GTAATTATTT TTATCTGTTC ATAAGATTTA TTACCCTCAT
 5581 ACATCACTAG AATATGATAA TGCTCTTTTT TCATCCTATC TTCTGTATCA GTATCCCTAT
 5641 CATGTAATGG AGACACTACA AATTGAATGT GTAACCTTTT TAAATACTCT AACCCTCGG
 5701 CTTTTGCTGA TTCTGGATAT AAAACAAATG TCCAATTACG TCCTCTTGAA TTTTCTTGT
 5761 TTTAGTTTTT TTTTATTACA TTTTCGCTCA TGATATAATA ACGGTGCTAA TACATTTAAC
 5821 AAAATTTAGT CATAGATAGG CAGCATGCCA GTGCTGTCTA TCTTTTTTTG TTTAAAATGC
 5881 ACCGTATTCC TCCTTTGCAT ATTTTTTTAT TAGAATACCG GTTGCATCTG ATTTGCTAAT
 5941 ATTATATTTT TCTTTGATTC TATTTAATAT CTCATTTTCT TCTGTTGTAA GTCTTAAAGT
 6001 AACAGCAACT TTTTCTCTT CTTTCTATC TACAACCATC ACTGTACCTC CCAACATCTG
 6061 TTTTTTTCAC TTTAACATAA AAAACAACCT TTTAACATTA AAAACCCAAT ATTTATTTAT
 6121 TTGTTTGGAC AATGGACAAT GGACACCTAG GGGGGAGGTC GTAGTACCCC CCTATGTTTT
 6181 CTCCCCTAAA TAACCCAAA AATCTAAGAA AAAAAGACCT CAAAAGGTC TTTAATTAAC
 6241 ATCTCAAATT TCGCATTAT TCCAATTTCC TTTTGTGCTG TGATGCGCTG CGTCCATTAA
 6301 AAATCCTAGA GCTTTGCAAC CGAAAGTTAA TAGCTGTGCG TACTACTTTC GCTTACGCTC
 6361 TAAGTATATT TTAAGGACTG TCACACGCAA AAAGTTTTCT CGGCATAAAA GTACCTCTAC

6421 ATCTCTAAAT CGTCTGTACG CTGTTTCTCA CGCTTTCTAT CGACCTTCTG GACATTATCC
6481 TGTACAACAT CCATAAACTG TCCCACACGC TCGAATTTGG AATCATTAAA GAATTTCTCT
6541 TTAAGCCTAT TAAACCCTTT CTCAAACCCA GGGAAATTCG CCCTCGCAGC ACGATATAAA
6601 GTCACTGTAC TATCTTGAAA TTTCTCTGAT ACATTCAACT GCTCATTCAA ACTATCATTC
6661 TCTCGCTTTA ATTTATTAAC CTCTTTACTT TTTTTCGTGAT ACCCCTCTTT CCATGTATTC
6721 ACTACTTCTT TCAAACCTCTC TCTACGTTTT TTTAATTCTT GATTTTCTGT GTAATAGTCT
6781 GTGCTCTTAA TATTTTCGTA ATCATCAACA ATCCGTTCCCT GCCTCGCGCG TTTCCGGTGAT
6841 GACGGTGAAA ACCTCTGACA CATGCAGCTC CCGGAGACGG TCACAGCTTG TCTGTAAGCG
6901 GATGCCGGGA GCAGACAAGC CCGTCAGGGC GCGTCAGCGG GTGTTGGCGG GTGTCGGGGC
6961 GCAGCCATGA CCCAGTCACG TAGCGATAGC GGAGTGTATA CTGGCTTAAC TATGCGGCAT
7021 CAGAGCAGAT TGTACTGAGA GTGCACCATA TGCGGTGTGA AATACCGCAC AGATGCGTAA
7081 GGAGAAAATA CCGCATCAGG CGCTCTTCCG CTTCCCTCGCT CACTGACTCG CTGCGCTCGG
7141 TCGTTCGGCT GCGGCGAGCG GTATCAGCTC ACTCAAAGGC GGTAATACGG TTATCCACAG
7201 AATCAGGGGA TAACGCAGGA AAGAACATGT GAGCAAAAAG CCAGCAAAAAG GCCAGGAACC
7261 GTAAAAAGGC CGCGTTGCTG GCGTTTTTCC ATAGGCTCCG CCCCCTGAC GAGCATCACA
7321 AAAATCGACG CTCAAGTCAG AGGTGGCGAA ACCCGACAGG ACTATAAAGA TACCAGGCGT
7381 TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAC CCTGCCGCTT ACCGGATACC
7441 TGTCCGCCTT TCTCCCTTCG GGAAGCGTGG CGCTTTCTCA TAGCTCACGC TGTAGGTATC
7501 TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC TGGGCTGTGT GCACGAACCC CCCGTTACAGC
7561 CCGACCGCTG CCCTTATCC GGTAACTATC GTCTTGAGTC CAACCCGGTA AGACACGACT
7621 TATCGCCACT GGCAGCAGC ACTGGTAACA GATTAGCAG AGCGAGGTAT GTAGGCGGTG
7681 CTACAGAGTT CTTGAAGTGG TGGCCTAACT ACGGCTACAC TAGAAGGACA GTATTTGGTA
7741 TCTGCGCTCT GCTGAAGCCA GTTACCTTCG GAAAAAGAGT TGGTAGCTCT TGATCCGGCA
7801 AACAAACCAC CGCTGGTAGC GGTGGTTTTT TTGTTTGCAA GCAGCAGATT ACGCGCAGAA
7861 AAAAAGGATC TCAAGAAGAT CCTTTGATCT TTTCTACGGG GTCTGACGCT CAGTGGAACG
7921 AAAACTCACG TTAAGGGATT TTGGTCATGA GATTATCAAA AAGGATCTTC ACCTAGATCC
7981 TTTTAAATTA AAAATGAAGT TTTAAATCAA TCTAAAGTAT ATATGAGTAA ACTTGGTCTG
8041 ACAGTTACCA ATGCTTAATC AGTGAGGCAC CTATCTCAGC GATCTGTCTA TTTTCGTTTAT
8101 CCATAGTTGC CTGACTCCCC GTCGTGTAGA TAACTACGAT ACGGGAGGGC TTACCATCTG
8161 GCCCCAGTGC TGCAATGATA CCGCGAGACC CACGCTCACC GGCTCCAGAT TTATCAGCAA
8221 TAAACCAGCC AGCCGGAAGG GCCGAGCGCA GAAGTGGTCC TGCAACTTTA TCCGCTCCA
8281 TCCAGTCTAT TAATTGTTGC CGGGAAGCTA GAGTAAGTAG TTCGCCAGTT AATAGTTTGC
8341 GCAACGTTGT TGCCATTGCT GCAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT
8401 CATTACAGCTC CGGTTCCCAA CGATCAAGGC GAGTTACATG ATCCCCCATG TTGTGCAAAA
8461 AAGCGGTTAG CTCCTTCGGT CCTCCGATCG TTGTCAGAAG TAAGTTGGCC GCAGTGTAT
8521 CACTCATGGT TATGGCAGCA CTGCATAATT CTCTTACTGT CATGCCATCC GTAAGATGCT
8581 TTTCTGTGAC TGGTGAGTAC TCAACCAAGT CATTCTGAGA ATAGTGTATG CCGCGACCGA
8641 GTTGCTCTTG CCCGGCTCA ACACGGGATA ATACCGCGCC ACATAGCAGA ACTTTAAAAG
8701 TGCTCATCAT TGGAAAACGT TCTTCGGGGC GAAAACCTCTC AAGGATCTTA CCGTGTGTA
8761 GATCCAGTTC GATGTAACCC ACTCGTGCAC CCAACTGATC TTCAGCATCT TTTACTTTCA
8821 CCAGCGTTTC TGGGTGAGCA AAAACAGGAA GGCAAAAATGC CGCAAAAAAG GGAATAAGGG
8881 CGACACGGAA ATGTTGAATA CTCATACTCT TCCTTTTTTCA ATATTATTGA AGCATTTATC
8941 AGGGTTATTG TCTCATGAGC GGATACATAT TTGAATGTAT TTAGAAAAAT AAACAAATAG
9001 GGGTTCGCG CACATTTCCC CGAAAAGTGC CACCTGACGT CTAAGAAACC ATTATTATCA
9061 TGACATTAAC CTATAAAAAT AGGCGTATCA CGAGGCCCTT TCGTCTTCAA

Table 4: Sequence of Plasmid pKAN (NRC-49935)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGAAAACATA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGGGTTT	CAAAATCGGC
541	TCCGTCGATA	CTATGTTATA	CGCCAACTTT	GAAAACAACT	TTGAAAAAGC	TGTTTTCTGG
601	TATTTAAGGT	TTTAGAATGC	AAGGAACAGT	GAATTGGAGT	TCGTCTTGTT	ATAATTAGCT
661	TCTTGGGGTA	TCTTTAAATA	CTGTAGAAAA	GAGGAAGGAA	ATAATAAATG	GCTAAAATGA
721	GAATATCACC	GGAATTGAAA	AACTGATCG	AAAAATACCG	CTGCGTAAAA	GATACGGAAG
781	GAATGTCTCC	TGCTAAGGTA	TATAAGCTGG	TGGGAGAAAA	TGAAAACCTA	TATTTAAAAA
841	TGACGGACAG	CCGGTATAAA	GGGACCACCT	ATGATGTGGA	ACGGGAAAAG	GACATGATGC
901	TATGGCTGGA	AGGAAAGCTG	CCTGTTCCAA	AGGTCTTGCA	CTTTGAACGG	CATGATGGCT
961	GGAGCAATCT	GCTCATGAGT	GAGGCCGATG	GCGTCCTTTG	CTCGGAAGAG	TATGAAGATG
1021	AACAAAGCCC	TGAAAAGATT	ATCGAGCTGT	ATGCGGAGTG	CATCAGGCTC	TTTCACTCCA
1081	TCGACATATC	GGATTGTCCC	TATACGAATA	GCTTAGACAG	CCGCTTAGCC	GAATTGGATT
1141	ACTTACTGAA	TAACGATCTG	GCCGATGTGG	ATTGCGAAAA	CTGGGAAGAA	GACACTCCAT
1201	TTAAAGATCC	GCGCGAGCTG	TATGATTTTT	TAAAGACGGA	AAAGCCCAGAA	GAGGAACTTG
1261	TCTTTTCCCA	CGGCGACCTG	GGAGACAGCA	ACATCTTTGT	GAAAGATGGC	AAAGTAAGTG
1321	GCTTTATTGA	TCTTGGGAGA	AGCGGCAGGG	CGGACAAGTG	GTATGACATT	GCCTTCTGCG
1381	TCCGGTCGAT	CAGGGAGGAT	ATCGGGGAAG	AACAGTATGT	CGAGCTATTT	TTTGACTTAC
1441	TGGGGATCAA	CCCTGATTGG	GAGAAAATAA	AATATTATAT	TTTACTGGAT	GAATTGTTTT
1501	AGTACCTAGC	GCCATACCAC	AGATGTTCCA	GATAAATATT	GGAAGCTATA	TACGTACTTT
1561	GTTTCAAAAT	GGGTCAATCG	AGAATATCGT	CAACTGTTTA	CTAAAAATCA	GTTTCATCAA
1621	GCAATGAAAC	ACGCCAAAAGT	AAACAATTTA	AGTACCGTTA	CTTATGAGCA	AGTATTGTCT
1681	ATTTTTAATA	GTTATCTATT	ATTTAACGGG	AGGAAATAAT	TCTATGAGTC	GCTTTTGATA
1741	ATTTGGAAAG	TTACACGTTA	CTAAAGGGAA	TGTAGATAAA	TTATTAGGTA	TACTACTGAC
1801	AGCTTCCAAG	GAGCTAAAGA	GGTCCCTAGC	GCCTACGGGG	AATTTGTATC	GATAAGGAAT
1861	AGATTTAAAA	ATTTGCTGT	TATTTTGTAC	AATAAGGATA	AATTTGAATG	GTACCATAAA
1921	CGACCGTTTA	TGGTACCATT	TCATTTTCCT	GCTTTTCTA	AATGTTTTTT	AAGTAAATCA
1981	AGTACCAAAA	TCCGTTCCCT	TTTCATAGTT	CCTATATAGT	TATACGCGTC	TAGAGACGTC
2041	GACCTGCAGG	CATGCAAGCT	CTGATTTTCC	TTTTTGCATT	CTACAAACTG	CATAACTCAT
2101	ATGTAAATCG	CTCCTTTTTTA	GGTGGCACAA	ATGTGAGGCA	TTTTTCGCTCT	TTCCGGCGAG
2161	GCTAGTTACC	CTTAAGTTAT	TGGTATGACT	GGCTTTTATA	ATATGAGATA	ATGCCGACTG
2221	TAAAAAGTAC	AGTCGGCATT	ATCTCATATT	ATAAAAGCCA	GTCATTAGGC	CTATCTGACA
2281	ATTCTGAAT	AGAGTTCATA	AACAATCCTG	CATGATAACC	ATCACAAACA	GAATGATGTA
2341	CCTGTAAAGA	TAGCGGTAAA	TATATTGAAT	TACCTTTATT	AATGAATTTT	CCTGCTGTAA
2401	TAATGGGTAG	AAGGTAATTA	CTATTATTAT	TGATATTTAA	GTTAAACCCA	GTAAATGAAG
2461	TCCATGGAAT	AATAGAAAGA	GAAAAAGCAT	TTTCAGGTAT	AGGTGTTTTG	GGAAACAATT
2521	TCCCCGAACC	ATTATATTTT	TCTACATCAG	AAAGGTATAA	ATCATAAAAC	TCTTTGAAGT
2581	CATTCTTTAC	AGGAGTCCAA	ATACCAGAGA	ATGTTTTAGA	TACACCATCA	AAAATTGTAT
2641	AAAGTGGCTC	TAACCTTATCC	CAATAACCTA	ACTCTCCGTC	GCTATTGTAA	CCAGTTCTAA
2701	AAGCTGTATT	TGAGTTTATC	ACCCTTGTC	CTAAGAAAAAT	AAATGCAGGG	TAAAATTTAT
2761	ATCCTTCTTG	TTTTATGTTT	CGGTATAAAA	CACTAATATC	AATTTCTGTG	GTTATACTAA
2821	AAGTCGTTTG	TTGGTTCAAA	TAATGATTAA	ATATCTCTTT	TCTCTTCCAA	TTGTCTAAAT
2881	CAATTTTATT	AAAGTTCATT	TGATATGCCT	CCTAAATTTT	TATCTAAAGT	GAATTTAGGA
2941	GGCTTACTTG	TCTGCTTTCT	TCATTAGAAT	CAATCCTTTT	TTAAAAGTCA	ATATTACTGT
3001	AACATAAATA	TATATTTTAA	AAATATCCCA	CTTTATCCAA	TTTTCGTTTG	TTGAACTAAT
3061	GGGTGCTTTA	GTTGAAGAAT	AAAAGACCAC	ATTAATAAAT	GTGGTCTTTT	GTGTTTTTTT
3121	AAAGGATTTG	AGCGTAGCGA	AAAATCCTTT	TCTTTCTTAT	CTTGATAATA	AGGGTAACTA

3181 TTGCCGGGAT AGACTGTAAC ATTCTCACGC ATAAAAATCCC CTTTCATTTT CTAATGTAAA
3241 TCTATTACCT TATTATTAAT TCAATTCGCT CATAATTAAT CCTTTTTCTT ATTACGCAAA
3301 ATGGCCCGAT TTAAGCACAC CCTTTATTCC GTTAATGCGC CATGACAGCC ATGATAATTA
3361 CTAATACTAG GAGAAGTTAA TAAATACGGG TGATCTAATG ATTCAATGAT TCAAACCCCT
3421 GTGAACTTCT TTAGAACAAA AGAGGTTCTG AACAAGATTT TCTTCACACT AGCAATGTTA
3481 GTAATTTTTTA AAATAGGGAC TTATATACCA GCTCCAGGAG TAAATCCTGC AGCTTTTGAT
3541 AATCCCCAAG GTTCTCAAGG TGCCACTGAG TTATTAAATA CTTTTGGTGG CGGAGCCTTG
3601 AAACGATTTT CTATTTTTGC AATGGGTATT GTACCCTACA TCACTGCATC AATCGTAATG
3661 CAATTATTAC AAATGGATAT TGTCCCTAAA TTCTCAGAAT GGGCAAAACA AGGTGAAGTA
3721 GGTAGAAGAA AGTTAAATAA CGTTACTCGT TATTTAGCAA TTTCTTTAGC ATTTATCCAA
3781 TCTATAGGTA TGGCATTCCA ATTTAATAAT TATCTCAAAG GTGCGCTGAT TATCAATCAG
3841 TCAATTATGA GTTATTTTATT AATAGCACTA GTTTTGACAG CAGGAAGTGC TTTCTTAATA
3901 TGGCTTGGTG ATCAAATCAC TCAGTTCGGT GTTGGTAATG GTATTTCTAT TATCATATTC
3961 CCATCAAGCT TATTTTAATT ATACTCTATC AATGATAGAG TGTCAATATT TTTTTTAGTT
4021 TTTTCATGAAC TCGATCGAGG GGATCCAAAT AAAAAACTAG TTTGACAAAT AACTCTATCA
4081 ATGATAGAGT GTCAACAAA AGGAGGAATT AATGATGTCT AGATTAGATA AAAGTAAAGT
4141 GATTAACAGC GCATTAGAGC TGCTTAATGA GGTCCGAATC GAAGGTTTAA CAACCCGTAA
4201 ACTCGCCAG AAGCTAGGTG TAGAGCAGCC TACATTGTAT TGGCATGTAA AAAATAAGCG
4261 GGCTTTGCTC GACGCCTTAG CCATTGAGAT GTTAGATAGG CACCATACT ACTTTTGCCC
4321 TTTAGAAGGG GAAAGCTGGC AAGATTTTTT ACGTAATAAC GCTAAAAGTT TTAGATGTGC
4381 TTTACTAAGT CATCGCATG GAGCAAAAAGT ACATTTAGGT ACACGGCCTA CAGAAAAACA
4441 GTATGAAACT CTCGAAAATC AATTAGCCTT TTTATGCCAA CAAGGTTTTT CACTAGAGAA
4501 TGCATTATAT GCACTCAGCG CTGTGGGGCA TTTTACTTTA GGTTGCGTAT TGGAAGATCA
4561 AGAGCATCAA GTCGCTAAAAG AAGAAAAGGA AACACCTACT ACTGATAGTA TGCCGCCATT
4621 ATTACGACAA GCTATCGAAT TATTTGATCA CCAAGGTGCA GAGCCAGCCT TCTTATTCGG
4681 CCTTGAATTG ATCATATGCG GATTAGAAAA ACAACTTAAA TGTGAAAGTG GGTCTTAAAA
4741 GCAGCATAAC CTTTTTCCGT GATGGTAACT TCACGGTAAC CAAGATAACA AAGAATACAA
4801 GAAAATATTT ACAAAAAATC AATTTAACAA TTCCTTAAAA CATGCAGGAA TTGACGATTT
4861 AAACAATATT AGCTTTGAAC AATTCTTATC TCTTTTCAAT AGCTATAAAT TATTTAATAA
4921 GTAAGTTAAG GGATGCATAA ACTGCATCCC TTAACCTGTT TTTTCGTGTGC CTATTTTTTG
4981 TGAATCGATT GCCGACTGCG CAAAAGACAT AATCGATTAT GTCTTTTGCG CAGTCGGCTT
5041 AAACCAGTTT TCGCTGGTGC GAAAAAAGAG TGTCTTGTGA CACTCTTAAA TTCAAAATCT
5101 ATCGGTCAGA TTTTATACCGA TTTGATTTTTA TATATTCTTG AATAACATAC GCCGAGTTAT
5161 CACATAAAAG CGGGAACCAA TCATCAAATT TAAACTTCAT TGCATAATCC ATTTAACTCT
5221 TAAATTCTAC GATTCCCTGT TCATCAATAA ACTCAATCAT TTCTTTAATT AATTTATATC
5281 TATCTGTTGT TGTTTTCTTT AATAATTCAT CAACATCTAC ACCGCCATAA ACTATCATAT
5341 CTTCTTTTTG ATATTTAAAT TTATTAGGAT CGTCCATGTG AAGCATATAT CTCACAAGAC
5401 CTTTCACAT TCCTGCAATC TGCGGAATAG TCGCATTCAA TTCTTCTGTA TTTATTTTTA
5461 TCTGTTCATA AGATTTATTA CCTCATAACA TCACTAGAAT ATGATAATGC TTTTTTTTCA
5521 TCCTATCTTC TGTATCAGTA TCCCTATCAT GTAATGGAGA CACTACAAAT TGAATGTGTA
5581 ACTCTTTTAA ATACTCTAAC CACTCGGCTT TTGCTGATTC TGGATATAAA ACAAATGTCC
5641 AATTACGTCC TCTTGAATTT TTCTTGTTTT CAGTTTCTTT TATTACATTT TCGCTCATGA
5701 TATAATAACG GTGCTAATAC ATTTAACAAA ATTTAGTCAT AGATAGGCAG CATGCCAGTG
5761 CTGTCTATCT TTTTTTGTTT AAAATGCACC GTATTCCTCC TTTGCATATT TTTTTATTAG
5821 AATACCGGTT GCATCTGATT TGCTAATATT ATATTTTTCT TTGATTCTAT TTAATATCTC
5881 ATTTTCTTCT GTTGTAAGTC TTAAAGTAAC AGCAACTTTT TTCTCTTCTT TTCTATCTAC
5941 AACCATCACT GTACCTCCA ACATCTGTTT TTTTCACTTT AACATAAAAA ACAACCTTTT
6001 AACATTAATA ACCCAATATT TATTTATTTG TTTGGACAAT GGACAATGGA CACCTAGGGG
6061 GGAGGTCGTA GTACCCCTT ATGTTTTCTC CCTTAAATAA CCCCATAAAT CTAAGAAAAA
6121 AAGACCTCAA AAAGGTCTTT AATTAACATC TCAAATTTTC CATTATTTCC AATTTCTTTT
6181 TTGCGTGTGA TGCGCTGCGT CCATTAATAA TCCTAGAGCT TTGCAACCGA AAGTTAATAG
6241 CTGTGCTAC TACTTTGCT TACGCTCTAA GTATATTTTA AGGACTGTCA CACGCAAAAA
6301 GTTTTCTCGG CATAAAAGTA CCTCTACATC TCTAAATCGT CTGTACGCTG TTTCTCACGC
6361 TTTCTATCGA CCTTCTGGAC ATTATCTGT ACAACATCCA TAAACTGTCC CACACGCTCG

6421 AATTTGGAAT CATTAAAGAA TTTCTCTTTA AGCCTATTAA ACCCTTTCTC AAACCCAGGG
6481 AAATTCGCCC TCGCAGCACG ATATAAAGTC ACTGTACTAT CTTGAAATTT CTCTGATACA
6541 TTCAACTGCT CATTCAAAC TATCATTCTCT CGCTTTAATT TATTAACCTC TTTACTTTTT
6601 TCGTGATACC CCTCTTTCCA TGTATTCACT ACTTCTTTCA AACTCTCTCT ACGTTTTTTT
6661 AATTCTTGAT TTTCTGTGTA ATAGTCTGTG CTCTTAATAT TTTTCGTAATC ATCAACAATC
6721 CGTTCTGACC TCGCGCGTTT CGGTGATGAC GGTGAAAACC TCTGACACAT GCAGCTCCCG
6781 GAGACGGTCA CAGCTTGTCT GTAAGCGGAT GCCGGGAGCA GACAAGCCCG TCAGGGCGCG
6841 TCAGCGGGTG TTGGCGGGTG TCGGGGCGCA GCCATGACCC AGTCACGTAG CGATAGCGGA
6901 GTGTATACTG GCTTAACTAT GCGGCATCAG AGCAGATTGT ACTGAGAGTG CACCATATGC
6961 GGTGTGAAAT ACCGCACAGA TGCGTAAGGA GAAAATACCG CATCAGGCGC TCTTCCGCTT
7021 CCTCGCTCAC TGACTCGCTG CGCTCGGTCG TTCGGCTGCG GCGAGCGGTA TCAGCTCACT
7081 CAAAGGCGGT AATACGGTTA TCCACAGAAT CAGGGGATAA CGCAGGAAAG AACATGTGAG
7141 CAAAAGGCCA GCAAAAAGCC AGGAACCGTA AAAAGGCCGC GTTGCTGGCG TTTTTCCATA
7201 GGCTCCGCCC CCCTGACGAG CATCACAAA ATCGACGCTC AAGTCAGAGG TGGCGAAACC
7261 CGACAGGACT ATAAAAGATAC CAGGCGTTTC CCCCTGGAAG CTCCCTCGTG CGCTCTCCTG
7321 TTCCGACCTT GCCGCTTACC GGATACCTGT CCGCCTTTCT CCCTTCGGGA AGCGTGGCGC
7381 TTTCTCATAG CTCACGCTGT AGGTATCTCA GTTTCGGTGTA GGTCGTTTCGC TCCAAGCTGG
7441 GCTGTGTGCA CGAACCCCCC GTTCAGCCCG ACCGCTGCGC CTTATCCGGT AACTATCGTC
7501 TTGAGTCCAA CCCGGTAAGA CACGACTTAT CGCCACTGGC AGCAGCCACT GGTAAACAGGA
7561 TTAGCAGAGC AGGTATGTA GCGGTGCTA CAGAGTTCTT GAAGTGGTGG CCTAACAACG
7621 GCTACACTAG AAGGACAGTA TTTGGTATCT GCGCTCTGCT GAAGCCAGTT ACCTTCGGAA
7681 AAAGAGTTGG TAGCTCTTGA TCCGGCAAAC AAACCACCGC TGGTAGCGGT GGTTTTTTTG
7741 TTTGCAAGCA GCAGATTACG CGCAGAAAAA AAGGATCTCA AGAAGATCCT TTGATCTTTT
7801 CTACGGGGTC TGACGCTCAG TGGAACGAAA ACTCACGTTA AGGGATTTTG GTCATGAGAT
7861 TATCAAAAAG GATCTTCACC TAGATCCTTT TAAATTAATA ATGAAGTTTT AAATCAATCT
7921 AAAGTATATA TGAGTAAACT TGGTCTGACA GTTACCAATG CTTAATCAGT GAGGCACCTA
7981 TCTCAGCGAT CTGTCTATTT CGTTCATCCA TAGTTGCTG ACTCCCCTG GTGTAGATAA
8041 CTACGATACG GGAGGGCTTA CCATCTGGCC CCAGTGCTGC AATGATACCG CGAGACCCAC
8101 GCTCACCGGC TCCAGATTTA TCAGCAATAA ACCAGCCAGC CGGAAGGGCC GAGCGCAGAA
8161 GTGGTCTGTC AACTTTATCC GCCTCCATCC AGTCTATTAA TTGTTGCCGG GAAGCTAGAG
8221 TAAGTAGTTC GCCAGTTAAT AGTTTGCGCA ACGTTGTTGC CATTGCTGCA GGCATCGTGG
8281 TGTCACGCTC GTCGTTTGGT ATGGCTTCAT TCAGCTCCGG TTCCCAACGA TCAAGGCGAG
8341 TTACATGATC CCCCATGTTG TGCAAAAAAG CGGTTAGCTC CTTCCGGTCT CCGATCGTTG
8401 TCAGAAGTAA GTTGGCCGCA GTGTTATCAC TCATGGTTAT GGCAGCACTG CATAATTCTC
8461 TTAGTGTGAT GCCATCCGTA AGATGCTTTT CTGTGACTGG TGAGTACTCA ACCAAGTCAT
8521 TCTGAGAATA GTGTATGCGG CGACCGAGTT GCTCTTGCCC GGCGTCAACA CGGGATAATA
8581 CCGCGCCACA TAGCAGAACT TTAAGAGTGC TCATCATTGG AAAACGTTCT TCGGGGCGAA
8641 AACTCTCAAG GATCTTACCG CTGTTGAGAT CCAGTTCGAT GTAACCCACT CGTGCACCCA
8701 ACTGATCTTC AGCATCTTTT ACTTTACCA CCGTTTCTGG GTGAGCAAAA ACAGGAAGGC
8761 AAAATGCCGC AAAAAAGGGA ATAAGGGCGA CACGGAAATG TTGAATACTC ATACTCTTCC
8821 TTTTTCAATA TTATTGAAGC ATTTATCAGG GTTATTGTCT CATGAGCGGA TACATATTTG
8881 AATGTATTTA GAAAAATAAA CAAATAGGGG TTCCGCGCAC ATTTCCCCGA AAAGTGCCAC
8941 CTGACGTCTA AGAAACCATT ATTATCATGA CATTAACTA TAAAAATAGG CGTATCACGA
9001 GGCCCTTTCG TCTTCAA

Table 5: Sequence of Plasmid pTET (NRC-49936)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCCTACT	TGGAAAACATA	CCTGTTCCAT	GGCCAACACT	TGTCCTACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGCAAAT	ATGCTCTTAC
541	GTGCTATTAT	TTAAGTGACT	ATTTAAAAGG	AGTTAATAAAA	TATGCGGCAA	GGTATTCTTA
601	AATAAACTGT	CAATTTGATA	GCGGGAACAA	ATAATTAGAT	GTCCTTTTTT	AGGAGGGCTT
661	AGTTTTTTGT	ACCCAGTTTA	AGAATACCTT	TATCATGTGA	TTCTAAAGTA	TCCAGAGAAT
721	ATCTGTATGC	TTTGTATACC	TATGGTTATG	CATAAAAATC	CCAGTGATAA	AAGTATTTAT
781	CACTGGGATT	TTTATGCCCT	TTTGGGTTTT	TGAATGGAGG	AAAATCACAT	GAAAATTATT
841	AATATTGGAG	TTTTAGCTCA	TGTTGATGCA	GGAAAAACTA	CCTTAACAGA	AAGCTTATTA
901	TATAACAGTG	GAGCGATTAC	AGAATTAGGA	AGCGTGGACA	AAGGTACAAC	GAGGACGGAT
961	AATACGCTTT	TAGAACGTCA	GAGAGGAATT	ACAATTCAGA	CAGGAATAAC	CTCTTTTCAG
1021	TGGGAAAATA	CGAAGGTGAA	CATCATAGAC	ACGCCAGGAC	ATATGGATTT	CTTAGCAGAA
1081	GTATATCGTT	CATTATCAGT	TTTAGATGGG	GCAATTCTAC	TGATTTCTGC	AAAAGATGGC
1141	GTACAAGCAC	AAACTCGTAT	ATTATTTTAT	GCACTTAGGA	AAATGGGGAT	TCCCACAATC
1201	TTTTTTTATCA	ATAAGATTGA	CCAAAATGGA	ATTGATTTAT	CAACGGTTTA	TCAGGATATT
1261	AAAGAGAAAC	TTTCTGCCGA	AATTGTAATC	AAACAGAAGG	TAGAAGTGTG	TCCTAATATG
1321	TGTGTGACGA	ACTTTACCGA	ATCTGAACAA	TGGGATACGG	TAATAGAGGG	AAACGATGAC
1381	CTTTTAGAGA	AATATATGTC	CGGTAATCA	TTAGAAGCAT	TGGAAGTGTG	ACAAGAGGAA
1441	AGCATAAGAT	TTCAGAATTG	TTCTCTGTTT	CTCTTTTATC	ATGGAAGTGC	AAAAAGTAAT
1501	ATAGGGATTG	ATAAACCCTAT	AGAAGTTATT	ACTAATAAAT	TTTATTCATC	AACACATCGA
1561	GGTCCGCTCTG	AACTTTGCCG	AAATGTTTTT	AAAATTGAAT	ATACAAAAAA	AAGACAACGT
1621	CTTGCATATA	TACGCCTTTA	TAGTGGAGTA	CTACATTTAC	GAGATTCCGGT	TAGAGTATCA
1681	GAAAAAGAAA	AAATAAAAAGT	TACAGAAATG	TATACTTCAA	TAAATGGTGA	ATTATGTAAAG
1741	ATTGATAGAG	CATTATTCTGG	AGAAATTGTT	ATTTTGCAAA	ATGAGTTTTT	GAAGTTAAAT
1801	AGTGTCTCTG	GAGATACAAA	ACTATTGCCA	CAGAGAAAAA	AGATTGAAAA	TCCGCACCCT
1861	CTACTACAAA	CAACTGTTGA	ACCGAGTAAA	CCTGAACAGA	GAGAAATGTT	GCTTGATGCC
1921	CTTTTGGAAA	TCTCAGATAG	TGATCCGCTT	CTACGATATT	ACGTGGATTC	TACGACACAT
1981	GAAATTATAC	TTTCTTTCTT	AGGGAAAGTA	CAAATGGAAG	TGATTAGTGC	ACTGTTGCAA
2041	GAAAAGTATC	ATGTGGAGAT	AGAACTAAAA	GAGCCTACAG	TCATTTATAT	GGAGAGACCG
2101	TTAAAAAATG	CAGAATATAC	CATTACACATC	GAAGTGCCGC	CAAATCCTTT	CTGGGCTTCC
2161	ATTGGTTTAT	CTGTATCACC	GCTTCCGTTG	GGAAGTGGAA	TGCAGTATGA	GAGCTCGGTT
2221	TCTCTTGGAT	ACTTAAATCA	ATCATTTCAA	AATGCAGTTA	TGGAAGGGAT	ACGCTATGGT
2281	TGCGAACAAG	GATTATATGG	TTGGAATGTG	ACGGATTGTA	AAATCTGTTT	TAAGTACGGT
2341	TTATACTATA	GCCCTGTTAG	TACTCCAGCA	GATTTTCGGA	TGCTTACTCC	TATTGTACTG
2401	GAGCAAGCCT	TTAGAAAAGC	TGGAACAGAA	TTGTTAGAGC	CATATCTTAG	TTTTAAAGTT
2461	TATGCACCAC	AGGAATATCT	TTACGCGGCA	TATAACGATG	CTCCCAAATA	TTGTGCAAAT
2521	ATCGTAAATA	CTCAACTGAA	AAATAATGAG	GTCATTATTA	TTGGAGAAAT	TTCTGCTCGA
2581	TGTATTCAAG	ATTATCGCAA	TGATTTAACT	TTTTTTTACAA	ATGGGCTTAG	TGTTTGTTTA
2641	GCAGAGCTAA	AAGGATATCA	GGTTACCACT	GGCGAACCTG	TTTGCCAGAC	CCGTCGTCTA
2701	AATAGTCGGA	TAGATAAAAGT	AAGATATATG	TTCAATAAAAA	TAACCTTAGTG	CCTAGCGCCA
2761	TACCACAGAT	GTTCCAGATA	AATATTGGAA	GCTATATACG	TACTTTGTTT	CAAAATGGGT
2821	CAATCGAGAA	TATCGTCAAC	TGTTTACTAA	AAATCAGTTT	CATCAAGCAA	TGAAACACGC
2881	CAAAGTAAAC	AATTTAAGTA	CCGTTACTTA	TGAGCAAGTA	TTGTCTATTT	TTAATAGTTA
2941	TCTATTATTT	AACGGGAGGA	AATAATTCTA	TGAGTCGCTT	TTGTAAATTT	GGAAAGTTAC
3001	ACGTTACTAA	AGGGAATGTA	GATAAATTAT	TAGGTATACT	ACTGACAGCT	TCCAAGGAGC
3061	TAAAGAGGTC	CCTAGCGCCT	ACGGGGAATT	TGTATCGATA	AGGAATAGAT	TTAAAAATTT
3121	CGCTGTTATT	TTGTACAATA	AGGATAAATT	TGAATGGTAC	CATAAACGAC	CGTTTATGGT

3181 ACCATTTTCAT TTTCTGCTT TTTCTAAATG TTTTAAAGT AAATCAAGTA CCAAATCCG
3241 TTCCTTTTTT ATAGTTCCTA TATAGTTATA CGCGTCTAGA GACGTCGACC TGCAGGCATG
3301 CAAGCTCTGA TTTCACTTTT TGCATTCTAC AAAGTGCATA ACTCATATGT AAATCGCTCC
3361 TTTTATAGGTG GCACAAATGT GAGGCATTTT CGCTCTTTCC GGCGAGGCTA GTTACCCTTA
3421 AGTTATTGGT ATGACTGGCT TTTATAATAT GAGATAATGC CGACTGTAAA AAGCAGATTA
3481 TCTCATATTA TAAAAACAGTA GGCCTATCTG ACAATTCTCTG AATAGAGTTC ATAAAACAATC
3541 CTGCATGATA ACCATCACAA ACAGAATGAT GTACCTGTAA AGATAGCGGT AAATATATTG
3601 AATTACCTTT ATTAATGAAT TTTCTGCTG TAATAATGGG TAGAAGGTAA TTACTATTAT
3661 TATTGATATT TAAGTTAAAC CCAGTAAATG AAGTCCATGG AATAATAGAA AGAGAAAAAG
3721 CATTTTCAGG TATAGGTGTT TTGGGAAACA ATTTCCCCGA ACCATTATAT TTCTCTACAT
3781 CAGAAAGGTA TAAATCATAA AACTCTTTGA AGTCATTCTT TACAGGAGTC CAAATACCAG
3841 AGAATGTTTT AGATACACCA TCAAAAATTG TATAAAGTGG CTCTAACTTA TCCCAATAAC
3901 CTAACCTCC GTCGCTATTG TAACCAGTTC TAAAAGCTGT ATTTGAGTTT ATCACCCTTG
3961 TCACTAAGAA AATAAATGCA GGGTAAAATT TATATCCTTC TTGTTTTATG TTTCCGGTATA
4021 AAACACTAAT ATCAATTTCT GTGGTTATAC TAAAAGTTCGTTGTTGGTTC AAATAATGAT
4081 TAAATATCTC TTTTCTCTTC CAATTGTCTA AATCAATTTT ATTAAGTTC ATTTGATATG
4141 CCTCCTAAAT TTTTATCTAA AGTGAATTTA GGAGGCTTAC TTGTCTGCTT TCTTCATTAG
4201 AATCAATCCT TTTTAAAAG TCAATATTAC TGTAACATAA ATATATATTT TAAAAATATC
4261 CCACTTTATC CAATTTTCGT TTGTTGAACT AATGGGTGCT TTAGTTGAAG AATAAAAGAC
4321 CACATAAAAA AATGTGGTCT TTTGTGTTTT TTTAAAGGAT TTGAGCGTAG CGAAAAATCC
4381 TTTTCTTTCT TATCTTGATA ATAAGGTGTA CTATTGCCGG GATAGACTGT AACATCTCA
4441 CGCATAAAAT CCCCTTTTCT TTTCTAATGT AAATCTATTA CCTTATTATT AATTCAATTC
4501 GCTCATAAAT AATCCTTTTT CTTATTACGC AAAATGGCCC GATTTAAGCA CACCCTTTAT
4561 TCCGTTAATG CGCCATGACA GCCATGATAA TTACTAATAC TAGGAGAAAGT TAATAAATAC
4621 GGGTGATCTA ATGATTCAAT GATTCAAACC CTTGTGAACT TCTTTAGAAC AAAAGAGGTT
4681 CGTAACAAGA TTTTCTTCAC ACTAGCAATG TTAGTAATTT TAAAATAGG GACTTATATA
4741 CCAGCTCCAG GAGTAAATCC TGCAGCTTTT GATAATCCCC AAGGTTCTCA AGGTGCCACT
4801 GAGTTATTAA ATACTTTTGG TGGCGGAGCC TTGAAACGAT TTTCTATTTT TGCAATGGGT
4861 ATTGTACCCT ACATCACTGC ATCAATCGTA ATGCAATTAT TACAAATGGA TATTGTCCCT
4921 AAATTCTCAG AATGGGCAAA ACAAGGTGAA GTAGGTAGAA GAAAGTTAAA TAACGTTACT
4981 CGTTATTTAG CAATTTCTTT AGCATTATATC CAATCTATAG GTATGGCATT CCAATTTAAT
5041 AATTATCTCA AAGGTGCGCT GATTATCAAT CAGTCAATTA TGAGTTATTT ATTAATAGCA
5101 CTAGTTTTGA CAGCAGGAAC TGCTTTCTTA ATATGGCTTG GTGATCAAAAT CACTCAGTTC
5161 GGTGTTGGTA ATGGTATTTT TATTATCATA TTCCCATCAA GCTTATTTTA ATTATACTCT
5221 ATCAATGATA GAGTGTCAAT ATTTTTTTTA GTTTTTCATG AACTCGATCG AGGGGATCCA
5281 AATAAAAAAC TAGTTTGACA AATAACTCTA TCAATGATAG AGTGTCAACA AAAAGGAGGA
5341 ATTAATGATG TCTAGATTAG ATAAAAGTAA AGTGATTAAC AGCGCATTAG AGCTGCTTAA
5401 TGAGTCCGGA ATCGAAGGTT TAACAACCCG TAAACTCGCC CAGAAGCTAG GTGTAGAGCA
5461 GCCTACATTG TATTGGCATG TAAAAAATAA GCGGGCTTTG CTCGACGCCCT TAGCCATTGA
5521 GATGTTAGAT AGGCACCATA CTCACTTTTG CCCTTTAGAA GGGGAAAGCT GGCAAGATTT
5581 TTTACGTAAT AACGCTAAAA GTTTTAGATG TGCTTTACTA AGTCATCGCG ATGGAGCAAA
5641 AGTACATTTA GGTACACGGC CTACAGAAAA ACAGTATGAA ACTCTCGAAA ATCAATTAGC
5701 CTTTTTATGC CAACAAGGTT TTTCACTAGA GAATGCATTA TATGCACTCA GCGCTGTGGG
5761 GCATTTTACT TTAGGTTGCG TATTGGAAGA TCAAGAGCAT CAAGTCGCTA AAGAAGAAAG
5821 GGAAACACCT ACTACTGATA GTATGCCGCC ATTATTACGA CAAGCTATCG AATTATTTGA
5881 TCACCAAGGT GCAGAGCCAG CCTTCTTATT CGGCCTTGAA TTGATCATAT GCGGATTAGA
5941 AAAACAACCT AAATGTGAAA GTGGGTCTTA AAAGCAGCAT AACCTTTTTT CGTGATGGTA
6001 ACTTCACGGT AACCAAGATA ACAAAGAATA CAAGAAAATA TTTACAAAAA ATCAATTTAA
6061 CAATTCCTTA AACATGCAG GAATTGACGA TTTAAACAAT ATTAGCTTTG AACAAATCTT
6121 ATCTCTTTTC AATAGCTATA AATTATTTAA TAAGTAAGTT AAGGGATGCA TAAACTGCAT
6181 CCCTTAACTT GTTTTTTCGTG TGCCATTTTT TTGTGAATCG ATTGCCGACT GCGCAAAAAGA
6241 CATAATCGAT TATGTCTTTT GCGCAGTCGG CTTAAACCAG TTTTTCGCTGG TGCGAAAAAA
6301 GAGTGTCTTG TGACACTCTT AAATTCAAAA TCTATCGGTC AGATTTATAC CGATTTGATT
6361 TTATATATTC TTGAATAACA TACGCCGAGT TATCACATAA AAGCGGGAAC CAATCATCAA

6421 ATTTAAACTT CATTGCATAA TCCATTAAAC TCTTAAATTC TACGATTCCCT TGTTTCATCAA
6481 TAAACTCAAT CATTTCCTTA ATTAATTTAT ATCTATCTGT TGTTGTTTTT TTTAATAAATT
6541 CATCAACATC TACACCGCCA TAAACTATCA TATCTTCTTT TTGATATTTA AATTTATTAG
6601 GATCGTCCAT GTGAAGCATA TATCTCACAA GACCTTTCAC ACTTCCTGCA ATCTGCGGAA
6661 TAGTCGCATT CAATTCTTCT GTAATTATTT TTATCTGTTC ATAAGATTTA TTACCCTCAT
6721 ACATCACTAG AATATGATAA TGCTCTTTTT TCATCCTATC TTCTGTATCA GTATCCCTAT
6781 CATGTAATGG AGACACTACA AATTGAATGT GTAACTCTTT TAAATACTCT AACCCTCGG
6841 CTTTTGCTGA TTCTGGATAT AAAACAAATG TCCAATTACG TCCTCTTGAA TTTTTCTTGT
6901 TTTTCAGTTTC TTTTATTACA TTTTCGCTCA TGATATAATA ACGGTGCTAA TACATTTAAC
6961 AAAATTTAGT CATAGATAGG CAGCATGCCA GTGCTGTCTA TCTTTTTTTG TTTAAAATGC
7021 ACCGTATTCC TCCTTTGCAT ATTTTTTTAT TAGAATACCG GTTGCATCTG ATTTGCTAAT
7081 ATTATATTTT TCTTTGATTC TATTTAATAT CTCATTTTCT TCTGTTGTAA GTCTTAAAGT
7141 AACAGCAACT TTTTTCTCTT CTTTTCTATC TACAACCATC ACTGTACCTC CCAACATCTG
7201 TTTTTTTCAC TTTAACATAA AAAACAACCT TTTAACATTA AAAACCCAAT ATTTATTTAT
7261 TTGTTTGGAC AATGGACAAT GGACACCTAG GGGGGAGGTC GTAGTACCCC CCTATGTTTT
7321 CTCCCCTAAA TAACCCAAA AATCTAAGAA AAAAAGACCT CAAAAGGTC TTTAATTAAC
7381 ATCTCAAATT TCGCATTAT TCCAATTTCC TTTTTGCGTG TGATGCGCTG CGTCCATTAA
7441 AAATCCTAGA GCTTTGCAAC CGAAAGTTAA TAGCTGTGCG TACTACTTTC GCTTACGCTC
7501 TAAGTATATT TTAAGGACTG TCACACGCAA AAAGTTTTCT CGGCATAAAA GTACCTCTAC
7561 ATCTCTAAAT CGTCTGTACG CTGTTTCTCA CGCTTCTAT CGACCTCTG GACATTATCC
7621 TGTACAACAT CATAAACTG TCCCACACGC TCGAATTTGG AATCATTAAA GAATTTCTCT
7681 TTAAGCCTAT TAAACCCTTT CTCAAACCCA GGGAAATTCG CCCTCGCAGC ACGATATAAA
7741 GTCACTGTAC TATCTTGA AAA TTTCTCTGAT ACATTCAACT GCTCATTCAA ACTATCATTC
7801 TCTCGCTTTA ATTTATTAAC CTCTTTACTT TTTTCGTGAT ACCCCTCTTT CCATGTATTC
7861 ACTACTTCTT TCAAACCTC TCTACGTTTT TTTAATTCTT GATTTTCTGT GTAATAGTCT
7921 GTGCTCTTAA TATTTTCGTA ATCATCAACA ATCCGTTCCCT GCCTCGCGCG TTTCCGGTAT
7981 GACGGTGAAA ACCTCTGACA CATGCAGCTC CCGGAGACGG TCACAGCTTG TCTGTAAGCG
8041 GATGCCGGGA GCAGACAAGC CCGTCAGGGC GCGTCAGCGG GTGTTGGCGG GTGTCGGGGC
8101 GCAGCCATGA CCCAGTCACG TAGCGATAGC GGAGTGTATA CTGGCTTAAC TATGCGGCAT
8161 CAGAGCAGAT TGTACTGAGA GTGCACCATA TGCGGTGTGA AATACCGCAC AGATGCGTAA
8221 GGAGAAAATA CCGCATCAGG CGCTCTTCCG CTTCCCTCGCT CACTGACTCG CTGCGCTCGG
8281 TCGTTCGGCT GCGGCGAGCG GTATCAGCTC ACTCAAAGGC GGTAATACGG TTATCCACAG
8341 AATCAGGGGA TAACGCAGGA AAGAACATGT GAGCAAAAAG CCAGCAAAAAG GCCAGGAACC
8401 GTAAAAGGC CGCGTTGCTG GCGTTTTTCC ATAGGCTCCG CCCCCTGAC GAGCATCACA
8461 AAAATCGACG CTC AAGTCAG AGGTGGCGAA ACCCGACAGG ACTATAAAGA TACCAGGCGT
8521 TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAC CCTGCCGCTT ACCGGATAAC
8581 TGTCCGCCTT TCTCCCTTCG GGAAGCGTGG CGCTTCTCA TAGCTCACGC TGTAGGTATC
8641 TCAGTTCGGT GTAGTTCGTT CGCTCCAAGC TGGCTGTGT GCACGAACCC CCCGTTACG
8701 CCGACCGCTG CGCCTTATCC GGTAACTATC GTCTTGAGTC CAACCCGGTA AGACACGACT
8761 TATCGCCACT GGCAGCAGCC ACTGGTAACA GGATTAGCAG AGCGAGGTAT GTAGCGGTG
8821 CTACAGAGTT CTTGAAGTGG TGGCCTAACT ACGGCTACAC TAGAAGGACA GTATTTGGTA
8881 TCTGCGCTCT GCTGAAGCCA GTTACCTTCG GAAAAAGAGT TGGTAGCTCT TGATCCGGCA
8941 AACAAACCAC CGCTGGTAGC GGTGGTTTTT TTGTTTGCAA GCAGCAGATT ACGCGCAGAA
9001 AAAAAGGATC TCAAGAAGAT CCTTTGATCT TTTCTACGGG GTCTGACGCT CAGTGGAACG
9061 AAAACTCACG TTAAGGGATT TTGGTCATGA GATTATCAAA AAGGATCTTC ACCTAGATCC
9121 TTTTAAATTA AAAATGAAGT TTTAAATCAA TCTAAAGTAT ATATGAGTAA ACTTGGTCTG
9181 ACAGTTACCA ATGCTTAATC AGTGAGGCAC CTATCTCAGC GATCTGTCTA TTTGCTTCAT
9241 CCATAGTTGC CTGACTCCCC GTCGTGTAGA TAACTACGAT ACGGGAGGGC TTACCATCTG
9301 GCCCCAGTGC TGCAATGATA CCGCGAGACC CACGCTCACC GGCTCCAGAT TTATCAGCAA
9361 TAAACCAGCC AGCCGGAAGG GCCGAGCGCA GAAGTGGTCC TGCAACTTTA TCCGCTCCA
9421 TCCAGTCTAT TAATTGTTGC CGGGAAGCTA GAGTAAGTAG TTCGCCAGTT AATAGTTTGC
9481 GCAACGTTGT TGCCATTGCT GCAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT
9541 CATTAGCTC CGGTTCCCAA CGATCAAGGC GAGTTACATG ATCCCCCATG TTGTGCAAAA
9601 AAGCGGTTAG CTCCTTCGGT CCTCCGATCG TTGTCAGAAG TAAGTTGGCC GCAGTGTAT

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9661 CACTCATGGT TATGGCAGCA CTGCATAATT CTCTTACTGT CATGCCATCC GTAAGATGCT
9721 TTTCTGTGAC TGGTGAGTAC TCAACCAAGT CATTCTGAGA ATAGTGTATG CGGCGACCGA
9781 GTTGCTCTTG CCCGGCGTCA ACACGGGATA ATACCGCGCC ACATAGCAGA ACTTTAAAAG
9841 TGCTCATCAT TGGAAAACGT TCTTCGGGGC GAAAACCTCTC AAGGATCTTA CCGCTGTTGA
9901 GATCCAGTTC GATGTAACCC ACTCGTGCAC CCAACTGATC TTCAGCATCT TTTACTTTCA
9961 CCAGCGTTTC TGGGTGAGCA AAAACAGGAA GGCAAAATGC CGCAAAAAAAG GGAATAAGGG
10021 CGACACGGAA ATGTTGAATA CTCATACTCT TCCTTTTTTCA ATATTATTGA AGCATTTATC
10081 AGGGTTATTG TCTCATGAGC GGATACATAT TTGAATGTAT TTAGAAAAAT AAACAAATAG
10141 GGGTTCCGCG CACATTTCCC CGAAAAGTGC CACCTGACGT CTAAGAAACC ATTATTATCA
10201 TGACATTAAC CTATAAAAAT AGGCGTATCA CGAGGCCCTT TCGTCTTCAA
    
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Table 6: Sequence of Plasmid pGFP-F (NRC-49937)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCCTACT	TGGAAAATA	CCTGTTCCAT	GGCCAACACT	TGTCCTACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAAGTACA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTGATT	AACTTTATAA
541	GGAGGAAAAA	CATATGCCCG	GGAGCAAAGG	AGAAGAACTT	TTCCTGAGAG	TTGTCCCAAT
601	TCTTGTTGAA	TTAGATGGTG	ATGTTAATGG	GCACAAATTT	TCTGTCCGTG	GAGAGGGTGA
661	AGGTGATGCT	ACAAACGGAA	AACTCACCTT	TAAATTTATT	TGCTACTACTG	GAAAACCTACC
721	TGTTCCGTGG	CCAACACTTG	TCACTACTCT	GACCTATGGT	GTTCAATGCT	TTTCCCCTTA
781	TCCGGATCAC	ATGAAACGTC	ATGACTTTTT	CAAGAGTGCC	ATGCCTGAAG	GTTATGTACA
841	GGAACGCACT	ATATCTTTCA	AAGATGACGG	GACCTACAAG	ACGCGTGCTG	AAGTCAAGTT
901	TGAAGGTGAT	ACCCTTGTTA	ATCGTATCGA	GTTAAAGGGT	ATTGATTTTA	AAGAAGATGG
961	AAACATTCTT	GGACACAAAC	TCGAGTACAA	CTTTAACTCA	CACAATGTAT	ACATCACGGC
1021	AGACAAACAA	AAGAATGGAA	TCAAAGCTAA	CTTCAAAATT	CGCCACAACG	TTGAAGATGG
1081	TTCCGTTCAA	CTAGCAGACC	ATTATCAACA	AAATACTCCA	ATTGGCGATG	GCCCTGTCTT
1141	TTTACCAGAC	AACCATTACC	TGTCGACACA	ATCTGTCTTT	TCGAAAGATC	CTAACGAAAA
1201	GCGTGACCAC	ATGGTCCTTC	TTGAGTTTGT	AACTGCTGCT	GGGATTACAC	ATGGCATGGA
1261	TGAGCTCTAC	AAATAACCTA	GCGCCATACC	ACAGATGTTT	CAGATAAATA	TTGGAAGCTA
1321	TATACGTACT	TTGTTTCAA	ATGGGTCAAT	CGAGAATATC	GTCAACTGTT	TACTAAAAAT
1381	CAGTTTCATC	AAGCAATGAA	ACACGCCAAA	GTAACAATTT	TAAGTACCGT	TACTTATGAG
1441	CAAGTATTGT	CTATTTTAA	TAGTTATCTA	TTATTTAACG	GGAGGAAATA	ATTCTATGAG
1501	TCGCTTTTGT	AAATTTGGAA	AGTTACACGT	TACTAAAGGG	AATGTAGATA	AATTATTAGG
1561	TATACTACTG	ACAGCTTCCA	AGGAGCTAAA	GAGGTCCCTA	GCGCCTACGG	GGAAATTTGTA
1621	TCGATAAGGA	ATAGATTTAA	AAATTTTCGCT	GTTATTTTGT	ACAATAAGGA	TAAATTTGAA
1681	TGGTACCATA	AACGACCGTT	TATGGTACCA	TTTCATTTTC	CTGCTTTTTT	TAAATGTTTT
1741	TTAAGTAAAT	CAAGTACCAA	AATCCGTTCC	TTTTTCATAG	TTCTATATA	GTTATACGCG
1801	TCTAGAGACG	TCGACCTGCA	GGCATGCAAG	CTCTGATTTT	ACTTTTTTGA	TTCTACAAAC
1861	TGCATAACTC	ATATGTAAAT	CGCTCCTTTT	TAGGTGGCAC	AAATGTGAGG	CATTTTTGCT
1921	CTTTCCGGCG	AGGCTAGTTA	CCCTTAAGTT	ATTGGTATGA	CTGGCTTTTA	TAATATGAGA
1981	TAATGCCGAC	TGTAAAAAGT	ACAGTCGGCA	TTATCTCATA	TTATAAAAGC	CAGTCATTAG
2041	GCCTATCTGA	CAATTCCTGA	ATAGAGTTCA	TAAACAATCC	TGCATGATAA	CCATCACAAA
2101	CAGAATGATG	TACCTGTAAA	GATAGCGGTA	AATATATTGA	ATTACCTTTA	TTAATGAATT
2161	TTCTGCTGT	AATAATGGGT	AGAAGGTAAT	TACTATTATT	ATTGATATTT	AAGTTAAACC
2221	CAGTAAATGA	AGTCCATGGA	ATAATAGAAA	GAGAAAAAGC	ATTTTCAGGT	ATAGGTGTTT
2281	TGGGAAACAA	TTTCCCCGAA	CCATTATATT	TCTCTACATC	AGAAAGGTAT	AAATCATAAA
2341	ACTCTTTGAA	GTCATTCTTT	ACAGGAGTCC	AAATAACCAGA	GAATGTTTTA	GATACACCAT
2401	CAAAAATTGT	ATAAAGTGGC	TCTAACTTAT	CCCAATAACC	TAACTCTCCG	TCGCTATTGT
2461	AACCAGTTCT	AAAAGCTGTA	TTTGAGTTTA	TCACCCTTGT	CACTAAGAAA	ATAAATGCAG
2521	GGTAAAATTT	ATATCCTTCT	TGTTTTATGT	TTCCGGTATA	AACACTAATA	TCAATTTCTG
2581	TGGTTATACT	AAAAGTCGTT	TGTTGGTTCA	AATAATGATT	AAATATCTCT	TTTCTCTTCC
2641	AATTGTCTAA	ATCAATTTTA	TTAAAGTTCA	TTTGATATGC	CTCCTAAATT	TTTATCTAAA
2701	GTGAATTTAG	GAGGCTTACT	TGTCTGCTTT	CTTCATTAGA	ATCAATCCTT	TTTTAAAAGT
2761	CAATATTACT	GTAACATAAA	TATATATTTT	AAAAATATCC	CACTTTATCC	AATTTTCGTT
2821	TGTTGAACTA	ATGGGTGCTT	TAGTTGAAGA	ATAAAAGACC	ACATTAATAA	ATGTGGTCTT
2881	TTGTGTTTTT	TTAAAGGATT	TGAGCGTAGC	GAAAAATCCT	TTTCTTTCTT	ATCTTGATAA
2941	TAAGGGTAAC	TATTGCCGGG	ATAGACTGTA	ACATTCTCAC	GCATAAAATC	CCCTTTCATT
3001	TTCTAATGTA	AATCTATTAC	CTTATTATTA	ATTCAATTCG	CTCATAATTA	ATCCTTTTTC
3061	TTATTACGCA	AAATGGCCCG	ATTTAAGCAC	ACCCTTTATT	CCGTAAATGC	GCCATGACAG
3121	CCATGATAAT	TACTAATACT	AGGAGAAGTT	AATAAATACG	GGTGATCTAA	TGATTCAATG

3181 ATTCAAACCC TTGTGAACTT CTTTAGAACA AAAGAGGTTT GTAACAAGAT TTTCTTCACA
3241 CTAGCAATGT TAGTAATTTT TAAAATAGGG ACTTATATAC CAGCTCCAGG AGTAAATCCT
3301 GCAGCTTTTG ATAATCCCCA AGGTTCTCAA GGTGCCACTG AGTTATTAAA TACTTTTGGT
3361 GGCGGAGCCT TGAAACGATT TTCTATTTTT GCAATGGGTA TTGTACCCTA CATCACTGCA
3421 TCAATCGTAA TGCAATTATT ACAAATGGAT ATTGTCCCTA AATTCTCAGA ATGGGCAAAA
3481 CAAGGTGAAG TAGGTAGAAG AAAGTTAAAT AACGTTACTC GTTATTTAGC AATTTCTTTA
3541 GCATTTATCC AATCTATAGG TATGGCATTG CAATTTAATA ATTATCTCAA AGGTGCGCTG
3601 ATTATCAATC AGTCAATTAT GAGTTATTTA TTAATAGCAC TAGTTTTGAC AGCAGGAACT
3661 GCTTTCTTAA TATGGCTTGG TGATCAAATC ACTCAGTTCG GTGTTGGTAA TGGTATTTCT
3721 ATTATCATAT TCCCATCAAG CTTATTTTAA TTATACTCTA TCAATGATAG AGTGTCAATA
3781 TTTTTTTTAG TTTTTCATGA ACTCGATCGA GGGGATCCAA ATAAAAAACT AGTTTGACAA
3841 ATAACTCTAT CAATGATAGA GTGTCAACAA AAAGGAGGAA TTAATGATGT CTAGATTAGA
3901 TAAAAGTAAA GTGATTAACA GCGCATTAGA GCTGCTTAAT GAGGTCGGAA TCGAAGGTTT
3961 AACAAACCGT AAACCTCGCC AGAAGCTAGG TGTAGAGCAG CCTACATTGT ATTGGCATGT
4021 AAAAAATAAG CGGGCTTTGC TCGACGCCTT AGCCATTGAG ATGTTAGATA GGCACCATAC
4081 TCACTTTTGC CCTTTAGAAG GGGAAAGCTG GCAAGATTTT TTACGTAATA ACGCTAAAAG
4141 TTTTAGATGT GCTTTACTAA GTCATCGCGA TGGAGCAAAA GTACATTTAG GTACACGGCC
4201 TACAGAAAAA CAGTATGAAA CTCTCGAAAA TCAATTAGCC TTTTATGCC AACAAAGGTTT
4261 TTCATGAGAG AATGCATTAT ATGCACTCAG CGCTGTGGGG CATTTTACTT TAGGTTGCGT
4321 ATTGGAAGAT CAAGAGCATC AAGTCGTAA AGAAGAAAGG GAAACACCTA CTACTGATAG
4381 TATGCCGCCA TTATTACGAC AAGCTATCGA ATTATTTGAT CCGAAGGTG CACAGCCAGC
4441 CTTCTTATTC GGCCTTGAAT TGATCATATG CCGATTAGAA AAACAACCTA AATGTGAAAG
4501 TGGGTCTTAA AAGCAGCATA ACCTTTTTCC GTGATGGTAA CTTACCGGTA ACCAAGATAA
4561 CAAAGAATAC AAGAAAAATAT TTACAAAAAA TCAATTTAAC AATTCCTTAA AACATGCAGG
4621 AATTGACGAT TTAACAATA TTAGCTTTGA ACAATTCTTA TCTCTTTTCA ATAGCTATAA
4681 ATTATTTAAT AAGTAAGTTA AGGGATGCAT AAACCTGCAT CCTTAACTTG TTTTTCGTGT
4741 GCCTATTTTT TGTGAATCGA TTGCCGACTG CGCAAAAGAC ATAATCGATT ATGTCTTTTG
4801 CGCAGTCGGC TTAACCAGT TTTGCTGGT GCGAAAAAAG AGTGTCTTGT GACACTCTTA
4861 AATTCAAAAT CTATCGGTCA GATTTATACC GATTTGATTT TATATATTCT TGAATAACAT
4921 ACGCCGAGTT ATCACATAAA AGCGGGAACC AATCATCAAA TTTAACTTC ATTGCATAAT
4981 CCATTAAACT CTTAAATCT ACGATTCCCT GTTCATCAAT AAACCTCAAT ATTTCTTTAA
5041 TTAATTTATA TCTATCTGTT GTTGTTTTCT TTAATAATTC ATCAACATCT ACACCGCCAT
5101 AAACATCAT ATCTTCTTTT TGATATTTAA ATTTATTAGG ATCGTCCATG TGAAGCATAT
5161 ATCTCACAAG ACCTTTCACA CTTCTGCAA TCTGCGGAAT AGTCGCATTG AATTCTTCTG
5221 TAATTATTTT TATCTGTTCA TAAGATTTAT TACCCTCATA CATCACTAGA ATATGATAAT
5281 GCTCTTTTTT CATCCTATCT TCTGTATCAG TATCCCTATC ATGTAATGGA GACACTACAA
5341 ATTGAATGTG TAACTCTTTT AAATACTCTA ACCACTCGGC TTTTGCTGAT TCTGGATATA
5401 AAACAATGT CCAATTACGT CCTCTGAAAT TTTCTTGTGTT TTCAGTTTCT TTTATTACAT
5461 TTTTCGTCAT GATATAATAA CCGTGTCAAT ACATTTAACA AAATTTAGTC ATAGATTAGC
5521 AGCATGCCAG TGCTGTCTAT CTTTTTTTGT TTAAAATGCA CCGTATTCCCT CTTTGCATA
5581 TTTTTTTTATT AGAATACCGG TTGCATCTGA TTTGCTAATA TTATATTTTT CTTTGATTCT
5641 ATTTAATATC TCATTTTCTT CTGTTGTAAG TCTTAAAGTA ACAGCAACTT TTTTCTCTTC
5701 TTTTCTATCT ACAACCATCA CTGTACCTCC CAACATCTGT TTTTTTCACT TTAACATAAA
5761 AAACAACCTT TTAACATTAA AAACCCAATA TTTATTTATT TGTTTGGACA ATGGACAATG
5821 GACACCTAGG GGGGAGGTCG TAGTACCCCT CTATGTTTTT TCCCCTAAAT AACCCCAAAA
5881 ATCTAAGAAA AAAAGACCTC AAAAAGGTCT TTAATTAACA TCTCAAATTT CGCATTTATT
5941 CCAATTTCTT TTTTGCCTGT GATGCGCTGC GTCCATTAAA AATCCTAGAG CTTTGCACCC
6001 GAAAGTTAAT AGCTGTCGCT ACTACTTTCG CTTACGCTCT AAGTATATTT TAAGGACTGT
6061 CACACGCAAA AAGTTTTCTC GGCATAAAAAG TACCTCTACA TCTCTAAATC GTCTGTACGC
6121 TGTTTTCTCAC GCTTTCTATC GACCTTCTGG ACATTATCCT GTACAACATC CATAAACTGT
6181 CCCACACGCT CGAATTTGGA ATCATTAAAG AATTTCTCTT TAAGCCTATT AAACCTTTTC
6241 TCAAACCCAG GGAAATTCGC CCTCGCAGCA CGATATAAAG TCACTGTACT ATCTTGAAAT
6301 TTCTCTGATA CATTCAACTG CTCATTCAA CTATCATTCT CTCGCTTTAA TTTATTAACC
6361 TCTTTACTTT TTTTCGTGATA CCCCTCTTTC CATGTATTCA CTACTTCTTT CAAACTCTCT

6421 CTACGTTTTT TTAATTCTTG ATTTTCTGTG TAATAGTCTG TGCTCTTAAT ATTTTTCGTAA
6481 TCATCAACAA TCCGTTCTG CCTCGCGCGT TTCGGTGATG ACGGTGAAAA CCTCTGACAC
6541 ATGCAGCTCC CGGAGACGGT CACAGCTTGT CTGTAAGCGG ATGCCGGGAG CAGACAAGCC
6601 CGTCAGGGCG CGTCAGCGGG TGTTGGCGGG TGTCGGGGCG CAGCCATGAC CCAGTCACGT
6661 AGCGATAGCG GAGTGTATAC TGGCTTAACT ATGCGGCATC AGAGCAGATT GTECTGAGAG
6721 TGCACCATAT GCGGTGTGAA ATACCGCACA GATGCGTAAG GAGAAAAATAC CGCATCAGGC
6781 GCTCTTCCGC TTCCTCGCTC ACTGACTCGC TGCGCTCGGT CGTTCGGCTG CGGCGAGCGG
6841 TATCAGCTCA CTCAAAGGCG GTAATACGGT TATCCACAGA ATCAGGGGAT AACGCAGGAA
6901 AGAACATGTG AGCAAAAGGC CAGCAAAAGG CCAGGAACCG TAAAAAGGCC GCGTTGCTGG
6961 CGTTTTTCCA TAGGCTCCGC CCCCCTGACG AGCATCACAA AAATCGACGC TCAAGTCAGA
7021 GGTGGCGAAA CCCGACAGGA CTATAAAGAT ACCAGGCGTT TCCCCCTGGA AGCTCCCTCG
7081 TGCGCTCTCC TGTTCCGACC CTGCCGCTTA CCGGATACCT GTCCGCCTTT CTCCCTTCGG
7141 GAAGCGTGGC GCTTCTCAT AGCTCACGCT GTAGGTATCT CAGTTCGGTG TAGGTCGTTT
7201 GCTCCAAGCT GGGCTGTGTG CACGAACCCC CCGTTCAGCC CGACCGCTGC GCCTTATCCG
7261 GTAACATATCG TCTTGAGTCC AACCCGGTAA GACACGACTT ATCGCCACTG GCAGCAGCCA
7321 CTGGTAACAG GATTAGCAGA GCGAGGTATG TAGGCGGTGC TACAGAGTTC TTGAAGTGGT
7381 GGCCTAACTA CGGCTACACT AGAAGGACAG TATTTGGTAT CTGCGCTCTG CTGAAGCCAG
7441 TTACCTTCGG AAAAAGAGTT GGTAGCTCTT GATCCGGCAA ACAAACCACC GCTGGTAGCG
7501 GTGGTTTTTT TGTTTGCAAG CAGCAGATTA CGCGCAGAAA AAAAGGATCT CAAGAAGATC
7561 CTTTTCGCTT TTCTACGGGG TCTGACGCTC AGTGAACGA AAATCAGCT TAAGGGATTT
7621 TGGTCATGAG ATTATCAAAA AGGATCTTCA CCTAGATCCT TTTAAATTAA AAATGAAGTT
7681 TTAAATCAAT CTAAAGTATA TATGAGTAAA CTTGGTCTGA CAGTTACCAA TGCTTAATCA
7741 GTGAGGCACC TATCTCAGCG ATCTGTCTAT TTCGTTTCATC CATAGTTGCC TGACTCCCCG
7801 TCGTGTAGAT AACTACGATA CGGGAGGGCT TACCATCTGG CCCCAGTGCT GCAATGATAC
7861 CGCGAGACCC ACGCTCACCG GCTCCAGATT TATCAGCAAT AAACCAGCCA GCCGGAAGGG
7921 CCGAGCGCAG AAGTGGTCCT GCAACTTTAT CCGCCTCCAT CCAGTCTATT AATTGTTGCC
7981 GGAAGCTAG AGTAAGTAGT TCGCCAGTTA ATAGTTTGCG CAACGTTGTT GCCATTGCTG
8041 CAGGCATCGT GGTGTCACGC TCGTCGTTTG GTATGGCTTC ATTCAGCTCC GGTTCCCAAC
8101 GATCAAGGCG AGTTACATGA TCCCCATGT TGTGCAAAAA AGCGGTTAGC TCCTTCGGTC
8161 CTCCGATCGT TGTCAGAAGT AAGTTGGCCG CAGTGTTATC ACTCATGGTT ATGGCAGCAC
8221 TGCATAATTC TCTTACTGTC ATGCCATCCG TAAGATGCTT TTCTGTGACT GGTGAGTACT
8281 CAACCAAGTC ATTCTGAGAA TAGTGTATGC GCGGACCGAG TTGCTCTTGC CCGGCGTCAA
8341 CACGGGATAA TACCGCGCCA CATAGCAGAA CTTTAAAAGT GCTCATCATT GGAAAACGTT
8401 CTTCCGGGGCG AAAACTCTCA AGGATCTTAC CGCTGTTGAG ATCCAGTTCG ATGTAACCCA
8461 CTCGTGCACC CAACTGATCT TCAGCATCTT TTACTTTCAC CAGCGTTTCT GGGTGAGCAA
8521 AAACAGGAAG GCAAAATGCC GCAAAAAGG GAATAAGGGC GACACGGAAA TGTTGAATAC
8581 TCATACTCTT CCTTTTTCAA TATTATTGAA GCATTTATCA GGGTTATTGT CTCATGAGCG
8641 GATACATATT TGAATGTATT TAGAAAAATA AACAAATAGG GGTTCGCGC ACATTTCCCC
8701 GAAAAGTGCC ACCTGACGTC TAAGAAACCA TTATTATCAT GACATTAACC TATAAAAATA
8761 GCGTATCAC GAGGCCCTTT CGTCTTCAA

Table 7: Sequence of Plasmid pGFP-R (NRC-49938)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTTACC
181	CTTAAATTTA	TTTGCACACT	TGGAAAACATA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACTACA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTATT	TGTAGAGCTC
541	ATCCATGCCA	TGTGTAATCC	CAGCAGCAGT	TACAAACTCA	AGAAGGACCA	TGTGGTCACG
601	CTTTTCGTTA	GGATCTTTTCG	AAAGGCACAGA	TTGTGTCGAC	AGGTAATGGT	TGTCTGGTAA
661	AAGGACAGGG	CCATCGCCAA	TTGGAGTATT	TTGTTGATAA	TGGTCTGCTA	GTTGAACGGA
721	ACCATCTTCA	ACGTTGTGGC	GAATTTTGAA	GTTAGCTTTG	ATTCCATTCT	TTTGTTTGTC
781	TGCCGTGATG	TATACATTGT	GTGAGTTAAA	GTTGTAECTCG	AGTTTGTGTC	CAAGAATGTT
841	TCCATCTTCT	TTAAAATCAA	TACCCTTTAA	CTCGATACGA	TTAACAAGGG	TATCACCTTC
901	AAACTTGACT	TCAGCACGCG	TCTTGTAGGT	CCCGTCATCT	TTGAAAGATA	TAGTGCGTTC
961	CTGTACATAA	CCTTCAGGCA	TGGCACTCTT	GAAAAAGTCA	TGACGTTTCA	TGTGATCCGG
1021	ATAACGGGAA	AAGCATTGAA	CACCATAGGT	CAGAGTAGTG	ACAAGTGTTG	GCCACGGAAC
1081	AGGTAGTTTT	CCAGTAGTGC	AAATAAATTT	AAGGGTGAGT	TTTCCGTTTG	TAGCATCACC
1141	TTCACCCTCT	CCACGGACAG	AAAATTTGTG	CCCATTAACA	TCACCATCTA	ATTCAACAAG
1201	AATTGGGACA	ACTCCAGTGA	AAAGTTCTTC	TCCTTTGCTC	CCGGGCATAT	GTTTTTCCTC
1261	CTTATAAAGT	TAATCACCTA	GCGCCATACC	ACAGATGTTC	CAGATAAATA	TTGGAAGCTA
1321	TATACGTACT	TTGTTTCAAA	ATGGGTCAAT	CGAGAATATC	GTCAACTGTT	TACTAAAAAT
1381	CAGTTTCATC	AAGCAATGAA	ACACGCCAAA	GTAAACAATT	TAAGTACCGT	TACTTATGAG
1441	CAAGTATTGT	CTATTTTTAA	TAGTTATCTA	TTATTTAACG	GGAGGAAATA	ATTCTATGAG
1501	TCGCTTTTGT	AAATTTGGAA	AGTTACACGT	TACTAAAGGG	AATGTAGATA	AATTATTAGG
1561	TATACTACTG	ACAGCTTCCA	AGGAGCTAAA	GAGGTCCCTA	GCGCCTACGG	GGAATTTGTA
1621	TCGATAAGGA	ATAGATTTAA	AAATTTTCGCT	GTTATTTTGT	ACAATAAGGA	TAAATTTGAA
1681	TGGTACCATA	AACGACCGTT	TATGTTACCA	TTTCATTTTC	CTGCTTTTTT	TAAATGTTTT
1741	TTAAGTAAAT	CAAGTACCAA	AATCCGTTCC	TTTTTCATAG	TTCCATATA	GTTATACGCG
1801	TCTAGAGACG	TCGACCTGCA	GGCATGCAAG	CTCTGATTTT	ACTTTTTGCA	TCTTACAAAC
1861	TGCATAACTC	ATATGTAAAT	CGCTCCTTTT	TAGGTGGCAC	AAATGTGAGG	CATTTTCGCT
1921	CTTTCCGGCG	AGGCTAGTTA	CCCTTAAAGT	ATTGGTATGA	CTGGCTTTTT	NNNNNNNNNN
1981	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNC	CGACTGTAAA	AAGTACAGTC
2041	GGCATTATCT	CATATTATAA	AAGCCAGTCA	TTAGGCCTAT	CTGACAATTC	CTGAATAGAG
2101	TTCATAAACA	ATCCTGCATG	ATAACCATCA	CAAACAGAAT	GATGTACCTG	TAAAGATAGC
2161	GGTAAATATA	TTGAATTACC	TTTATTAATG	AATTTTCCTG	CTGTAATAAT	GGGTAGAAGG
2221	TAATTACTAT	TATTATTGAT	ATTTAAGTTA	AACCCAGTAA	ATGAAGTCCA	TGGAATAATA
2281	GAAAGAGAAA	AAGCATTTTC	AGGTATAGGT	GTTTTGGGAA	ACAATTTCCC	CGAACCATTA
2341	TATTTCTCTA	CATCAGAAAG	GTATAAATCA	TAAAACCTTT	TGAAGTCATT	CTTTACAGGA
2401	GTCCAAATAC	CAGAGAATGT	TTTAGATACA	CCATCAAAAA	TTGTATAAAG	TGGCTCTAAC
2461	TTATCCCAAT	AACCTAACTC	TCCGTCGCTA	TTGTAACCAG	TTCTAAAAGC	TGTATTTGAG
2521	TTTATCACCC	TTGTCACTAA	GAAAATAAAT	GCAGGGTAAA	ATTTATATCC	TTCTTGTTTT
2581	ATGTTTCGGT	ATAAAACACT	AATATCAATT	TCTGTGGTTA	TACTAAAAGT	CGTTTGTGG
2641	TTCAAATAAT	GATTAAATAT	CTCTTTTCTC	TTCCAATTGT	CTAAATCAAT	TTTATTAAG
2701	TTCATTTGAT	ATGCCTCCTA	AATTTTATC	TAAAGTGAAT	TTAGGAGGCT	TACTTGTCTG
2761	CTTTCTTCAT	TAGAATCAAT	CCTTTTTTAA	AGTCAATAT	TACTGTAACA	TAAATATATA
2821	TTTTAAAAAT	ATCCCCTTT	ATCCAATTTT	CGTTTGTGTA	ACTAATGGGT	GCTTTAGTTG
2881	AAGAATAAAA	GACCACATTA	AAAAATGTGG	TCTTTTGTGT	TTTTTTAAAG	TATTTGAGCG
2941	TAGCGAAAAA	TCCTTTTCTT	TCTTATCTTG	ATAATAAGGG	TAACATTTGC	CGGGATAGAC
3001	TGTAACATTC	TCACGCATAA	AATCCCCTTT	CATTTTCTAA	TGTAAATCTA	TTACCTTATT
3061	ATTAATTCAA	TTCGCTCATA	ATTAATCCTT	TTTCTTATTA	CGCAAAATGG	CCCGATTTAA

3121 GCACACCCTT TATTCCGTTA ATGCGCCATG ACAGCCATGA TAATTACTAA TACTAGGAGA
 3181 AGTTAATAAA TACGGGTGAT CTAATGATTC AATGATTCAA ACCCTTGTGA ACTTCTTTAG
 3241 AACAAAAGAG GTTCGTAACA AGATTTTCTT CACACTAGCA ATGTTAGTAA TTTTAAAAT
 3301 AGGGACTTAT ATACCAGCTC CAGGAGTAAA TCCTGCAGCT TTTGATAATC CCCAAGGTTC
 3361 TCAAGGTGCC ACTGAGTTAT TAAATACTTT TGGTGGCGGA GCCTTGAAAC GATTTTCTAT
 3421 TTTTGCAATG GGTATTGTAC CCTACATCAC TGCATCAATC GTAATGCAAT TATTACAAAT
 3481 GGATATTGTC CCTAAATTCT CAGAATGGGC AAAACAAGGT GAAGTAGGTA GAAGAAAGTT
 3541 AAATAACGTT ACTCGTTATT TAGCAATTTT TTTAGCATTT ATCCAATCTA TAGGTATGGC
 3601 ATTCCAATTT AATAATTATC TCAAAGGTGC GCTGATTATC AATCAGTCAA TTATGAGTTA
 3661 TTTATTAATA GCACTAGTTT TGACAGCAGG AACTGCTTTC TTAATATGGC TTGGTGATCA
 3721 AATCACTCAG TTCGGTGTG GTAATGGTAT TTCTATTATC ATATTCCCAT CAAGCTTATT
 3781 TTAATTATAC TCTATCAATG ATAGAGTGTC AATATTTTTT TTAGTTTTTC ATGAAGTTCGA
 3841 TCGAGGGGAT CCAAATAAAA AACTAGTTTG ACAAATAACT CTATCAATGA TAGAGTGTCA
 3901 ACAAAAAGGA GGAATTAATG ATGTCTAGAT TAGATAAAAAG TAAAGTGATT AACAGCGCAT
 3961 TAGAGCTGCT TAATGAGGTC GGAATCGAAG GTTTAACAAC CCGTAAACTC GCCCAGAAGC
 4021 TAGGTGTAGA GCAGCCTACA TTGTATTGGC ATGTAACAAA TAAGCGGGCT TTGCTCGACG
 4081 CCTTAGCCAT TGAGATGTTA GATAGGCACC ATACTCACTT TTGCCCTTTA GAAGGGGAAA
 4141 GCTGGCAAGA TTTTTCACGT AATAACGCTA AAAGTTTTAG ATGTGCTTTA CTAAGTCATC
 4201 GCGATGGAGC AAAAGTACAT TTAGGTACAC GGCCTACAGA AAAACAGTAT GAAACTCTCG
 4261 AAAATCAATT AGCCTTTTTA TGCCAACAAG GTTTTTCACT AGAGAATGCA TTATATGCAC
 4321 TCAGCGCTGT GGGGCATTTT ACTTTAGGTT GCGTATTGGA AGATCAAGAG CATACAAGTCG
 4381 CTAAAGAAGA AAGGGAAACA CCTACTACTG ATAGTATGCC GCCATTATTA CGACAAGCTA
 4441 TCGAATTATT TGATCACCAA GGTGCAGAGC CAGCCTTCTT ATTCGGCCTT GAATTGATCA
 4501 TATGCGGATT AGAAAAACAA CTTAAATGTG AAAGTGGGTC TTAAGGCAG CATAACCTTT
 4561 TTCCGTGATG GTAACCTCAC GGTAACCAAG ATAACAAAGA ATACAAGAAA ATATTTACAA
 4621 AAAATCAATT TAACAATTCC TTAACCATG CAGGAATTGA CGATTTAAAC AATATTAGCT
 4681 TTGAACAATT CTTATCTCTT TTCAATAGCT ATAAATTATT TAATAAGTAA GTTAAGGGAT
 4741 GCATAAACTG CATCCCTTAA CTTGTTTTTC GTGTGCCTAT TTTTGTGAA TCGATTATGT
 4801 CTTTTGCGCA GTCGGCTTAA ACCAGTTTTT GCTGGTGC GA AAAAGAGTG TCTTGTGACA
 4861 CTCTTAAATT CAAAATCTAT CGGTACAGATT TATACCGATT TGATTTTATA TATTCTTGAA
 4921 TAACATACGC CGAGTTATCA CATAAAAGCG GGAACCAATC ATCAAATTTA AACTTCATTG
 4981 CATAATCCAT TAAACTCTTA AATTCTACGA TTCCTTGTTT ATCAATAAAC TCAATCATTT
 5041 CTTTAATTAA TTTATATCTA TCTGTTGTTG TTTTCTTTAA TAATTCATCA ACATCTACAC
 5101 CGCCATAAAC TATCATATCT TCTTTTTGAT ATTTAAATTT ATTAGGATCG TCCATGTGAA
 5161 GCATATATCT CACAAGACCT TTCACACTTC CTGCAATCTG CGGAATAGTC GCATTCAATT
 5221 CTTCTGTAAT TATTTTTATC TGTTCATAAG ATTTATTACC CTCATACATC ACTAGAATAT
 5281 GATAATGCTC TTTTTTCATC CTATCTTCTG TATCAGTATC CCTATCATGT AATGGAGACA
 5341 CTACAAATTG AATGTGTAAC TCTTTTAAAT ACTCTAACCA CTCGGCTTTT GTTGATTCTG
 5401 GATATAAAAC AAATGTCCAA TTACGTCCCT TTGAATTTTT CTTGTTTTCA GTTTCTTTTA
 5461 TTACATTTTC GCTCATGATA TAATAACGGT GCTAATACAT TTAACAAAAT TTAGTCATAG
 5521 ATAGGCAGCA TGCCAGTGCT GTCTATCTTT TTTTGTTTAA AATGCACCGT ATTCCTCCTT
 5581 TGCATATTTT TTTATTAGAA TACCGGTTGC ATCTGATTTG CTAATATTAT ATTTTTCTTT
 5641 GATTCTATTT AATATCTCAT TTTCTTCTGT TGTAAGTCTT AAAGTAACAG CAACTTTTTT
 5701 CTCTTCTTTT CTATCTACAA CCATCACTGT ACCTCCAAC ATCTGTTTTT TTCACTTTAA
 5761 CATAAAAAAC AACCTTTTAA CATTAAAAAC CCAATATTTA TTTATTTGTT TGGACAATGG
 5821 ACAATGGACA CCTAGGGGGG AGGTTCGTAGT ACCCCCCTAT GTTTTCTCCC CTAAATAACC
 5881 CAAAAAATCT AAGAAAAAAA GACCTCAAAA AGGTCTTTAA TTAACATCTC AAATTCGCA
 5941 TTTATTCCAA TTTCTTTTTT GCGTGTGATG CGCTGCGTCC ATTA AAAAATC CTAGAGCTTT
 6001 GCAACCGAAA GTTAATAGCT GTCGCTACTA CTTTCGCTTA CGCTCTAAGT ATATTTAAG
 6061 GACTGTCACA CGCAAAAAGT TTTCTCGGCA TAAAAGTACC TCTACATCTC TAAATCGTCT
 6121 GTACGCTGTT TCTCACGCTT TCTATCGACC TTCTGGACAT TATCCTGTAC AACATCCATA
 6181 AACTGTCCCA CACGCTCGAA TTTGGAATCA TTAAGAATT TCTCTTTAAG CCTATTAAC
 6241 CCTTTCTCAA ACCCAGGGAA ATTCGCCCTC GCAGCACGAT ATAAAGTCAC TGTACTATCT
 6301 TGAAATTTCT CTGATACATT CAACTGCTCA TTCAAACTAT CATTCTCTCG CTTTAATTTA

6361 TTAACCTCTT TACTTTTTTC GTGATACCCC TCTTTCCATG TATTTACTAC TTCTTTCAAA
6421 CTCTCTCTAC GTTTTTTTAA TTCTTGATTT TCTGTGTAAT AGTCTGTGCT CTTAATATTT
6481 TCGTAATCAT CAACAATCCG TTCCTGCCTC GCGCGTTTCG GTGATGACGG TGAAAACCTC
6541 TGACACATGC AGCTCCCAGG GACGGTCACA GCTTGTCTGT AAGCGGATGC CGGGAGCAGA
6601 CAAGCCCGTC AGGGCGCGTC AGCGGGTGTT GCGGGTGTC GGGGCGCAGC CATGACCCAG
6661 TCACGTAGCG ATAGCGGAGT GTATACTGGC TTAACTATGC GGCATCAGAG CAGATTGTAC
6721 TGAGAGTGCA CCATATGCGG TGTGAAATAC CGCACAGATG CGTAAGGAGA AAATACCGCA
6781 TCAGGCGCTC TTCCGCTTCC TCGCTCACTG ACTCGCTGCG CTCGGTTCGTT CGGCTGCGGC
6841 GAGCGGTATC AGCTCACTCA AAGGCGGTAA TACGGTTATC CACAGAATCA GGGGATAACG
6901 CAGGAAAGAA CATGTGAGCA AAAGGCCAGC AAAAGGCCAG GAACCGTAAA AAGGCCGCGT
6961 TGCTGGCGTT TTTCCATAGG CTCCGCCCCC CTGACGAGCA TCACAAAAAT CGACGCTCAA
7021 GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC CCTGGAAGCT
7081 CCCTCGTGCG CTCTCCTGTT CCGACCCTGC CGCTTACCGG ATACCTGTCC GCCTTTCTCC
7141 CTTCCGGGAAG CGTGCGCCTT TCTCATAGCT CACGCTGTAG GTATCTCAGT TCGGTGTAGG
7201 TCGTTCGCTC CAAGCTGGGC TGTGTGCACG AACCCCCCGT TCAGCCCAGC CGCTGCGCCT
7261 TATCCGGTAA CTATCGTCTT GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG
7321 CAGCCACTGG TAACAGGATT AGCAGAGCGA GGTATGTAGG CGGTGCTACA GAGTTCTTGA
7381 AGTGGTGGCC TAACTACGGC TACACTAGAA GGACAGTATT TGGTATCTGC GCTCTGCTGA
7441 AGCCAGTTAC CTTCCGAAAA AGAGTTGGTA GCTCTTGATC CGGCAAACAA ACCACCGCTG
7501 GTAGCGGTGG TTTTTTTGTT TGCAAGCAGC AGATTACGCG CAGAAAAAAA GGACTTAAG
7561 AAGATCCTTT GATCTTTTCT ACGGGGTCTG ACGCTCAGTG GAACGAAAAC TCACGTTAAG
7621 GGATTTTGGT CATGAGATTA TCAAAAAGGA TCTTCACCTA GATCCTTTTA AATTAAAAAT
7681 GAAGTTTTAA ATCAATCTAA AGTATATATG AGTAAACTTG GTCTGACAGT TACCAATGCT
7741 TAATCAGTGA GGCACCTATC TCAGCGATCT GTCTATTTTCG TTCATCCATA GTTGCCCTGAC
7801 TCCCCGTCGT GTAGATAACT ACGATACGGG AGGGCTTACC ATCTGGCCCC AGTGCTGCAA
7861 TGATACCGCG AGACCCACGC TCACCGGCTC CAGATTTATC AGCAATAAAC CAGCCAGCCG
7921 GAAGGGCCGA GCGCAGAAGT GGTCTTGCAA CTTTATCCGC CTCCATCCAG TCTATTAATT
7981 GTTGCCGGGA AGCTAGAGTA AGTAGTTCGC CAGTTAATAG TTTGCGCAAC GTTGTTGCCA
8041 TTGCTGCAGG CATCGTGGTG TCACGCTCGT CGTTTGGTAT GGCTTCATTC AGCTCCGGTT
8101 CCCAACGATC AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT
8161 TCGGTCTCTC GATCGTTGTC AGAAGTAAGT TGGCCGCGAGT GTTATCACTC ATGGTTATGG
8221 CAGCACTGCA TAATTCTCTT ACTGTCATGC CATCCGTAAG ATGCTTTTCT GTGACTGGTG
8281 AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCGGCG ACCGAGTTGC TCTTGCCCCG
8341 CGTCAACACG GGATAATACC GCGCCACATA GCAGAACTTT AAAAGTGCTC ATCATTGGAA
8401 AACGTTCTTC GGGGCGAAAA CTCTCAAGGA TCTTACCGCT GTTGAGATCC AGTTCGATGT
8461 AACCCACTCG TGCACCCAAC TGATCTTCAG CATCTTTTAC TTTACCAGC GTTTCTGGGT
8521 GAGCAAAAAC AGGAAGGCAA AATGCCGCAA AAAAGGGAAT AAGGGCGACA CGGAAATGTT
8581 GAATACTCAT ACTCTTCTTT TTTCAATATT ATTGAAGCAT TTATCAGGGT TATTGTCTCA
8641 TGAGCGGATA CATATTTGAA TGTATTTAGA AAAATAAACA AATAGGGGTT CCGCGCACAT
8701 TTCCCCGAAA AGTGCCACCT GACGTCTAAG AAACCATTAT TATCATGACA TTAACCTATA
8761 AAAATAGGCG TATCACGAGG CCCTTTTCGTC TTCAA

Table 8: Sequence of Plasmid pYFP-F (NRC-49939)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGAAAATA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTGATT	AACTTTATAA
541	GGAGGAAAAA	CATATGGTTT	CAAAAAGGTGA	AGAATTATTT	ACAGGTGTTG	TTCCAATTTT
601	GGTTGAATTA	GATGGTGATG	TTAATGGTCA	TAAATTTTCA	GTTTCAGGTG	AAGGTGAAGG
661	TGATGCAACT	TATGGTAAAT	TAACATTAAA	ATTTATTTGT	ACAACAGGTA	AATTACCAGT
721	TCCATGGCCA	ACATTAGTTA	CAACATTTGG	TTATGGTTTA	CAATGTTTTG	CACGTTATCC
781	AGATCACATG	AAACAACATG	ATTTTTTTAA	ATCAGCAATG	CCTGAAGGTT	ATGTTCAAGA
841	ACGTACAATT	TTTTTTAAAG	ATGATGGCAA	CTATAAAACA	CGTGCTGAAG	TTAAATTTGA
901	AGGTGATACA	TTAGTTAATC	GTATTGAATT	AAAAGGTATT	GATTTTAAAG	AAGATGGTAA
961	TATTTTAGGT	CATAAATTAG	AATATAATTA	TAACTCACAT	AATGTTTATA	TCATGGCAGA
1021	TAAACAAAAA	AATGGTATTA	AAGTTAATTT	TAAAATTCGT	CATAATATTG	AAGATGGTTC
1081	AGTTCAATTA	GCAGATCATT	ATCAACAAAA	TACACCTATT	GGTGATGGTC	CAGTTTTTATT
1141	ACCAGATAAT	CATTATTTAT	CATATCAATC	AGCATTATCA	AAAGATCCAA	ATGAAAAACG
1201	TGATCACATG	GTTTTATTAG	AATTTGTTAC	AGCAGCAGGT	ATTACATTAG	GTATGGATGA
1261	ATTATATAAA	TAACCTAGCG	CCATACCACA	GATGTTCCAG	ATAAATATTG	GAAGCTATAT
1321	ACGTACTTTG	TTTCAAAATG	GGTCAATCGA	GAATATCGTC	AACTGTTTAC	TAAAAATCAG
1381	TTTCATCAAG	CAATGAAACA	CGCCAAAGTA	AACAATTTAA	GTACCGTTAC	TTATGAGCAA
1441	GTATTGTCTA	TTTTTAATAG	TTATCTATTA	TTTAAACGGGA	GGAAATAAAT	CTATGAGTCG
1501	CTTTTGTAATA	TTTGGAAAAGT	TACACGTTAC	TAAAGGGAAT	GTAGATAAAT	TATTAGGTAT
1561	ACTACTGACA	GCTTCCAAGG	AGCTAAAGAG	GTCCCTAGCG	CCTACGGGGA	ATTTGTATCG
1621	ATAAGGAATA	GATTTAAAAA	TTTCGCTGTT	ATTTTGTACA	ATAAGGATAA	ATTTGAATGG
1681	TACCATAAAC	GACCGTTTAT	GGTACCATTT	CATTTTCTCG	CTTTTTCTAA	ATGTTTTTTA
1741	AGTAAATCAA	GTACCAAAAT	CCGTTCCTTT	TTCATAGTTC	CTATATAGTT	ATACGCGTCT
1801	AGAGACGTCG	ACCTGCAGGC	ATGCAAGCTC	TGATTTCACT	TTTTGCATTC	TACAACTGC
1861	ATAACTCATA	TGTAATTCGC	TCCTTTTTAG	GTGGCACAAA	TGTGAGGCAT	TTTCGCTCTT
1921	TCCGGCGAGG	CTAGTTACCC	TTAAGTTATT	GGTATGACTG	GCTTTTATAA	TATGAGATAA
1981	TGCCGACTGT	AAAAAGTACA	GTCGGCATT	TCTCATATTA	TAAAAGCCAG	TCATTAGGCC
2041	TATCTGACAA	TTCTGAATA	GAGTTCATAA	ACAATCCTGC	ATGATAACCA	TCACAAACAG
2101	AATGATGTAC	CTGTAAAGAT	AGCGGTAAAT	ATATTGAATT	ACCTTTATTA	ATGAATTTTC
2161	CTGCTGTAAT	AATGGGTAGA	AGGTAATTAC	TATTATTATT	GATATTTAAG	TTAAACCCAG
2221	TAAATGAAGT	CCATGGAATA	ATAGAAAGAG	AAAAAGCATT	TTCAGGTATA	GGTGTTTTGG
2281	GAAACAATTT	CCCCGAACCA	TTATATTTCT	CTACATCAGA	AAGGTATAAA	TCATAAAACT
2341	CTTTGAAGTC	ATTCTTTACA	GGAGTCCAAA	TACCAGAGAA	TGTTTTAGAT	ACACCATCAA
2401	AAATTGTATA	AAGTGGCTCT	AACTTATCCC	AATAACCTAA	CTCTCCGTCG	CTATTGTAAC
2461	CAGTTCATAA	AGCTGTATTT	GAGTTTATCA	CCCTTGTCAC	TAAGAAAATA	AATGCAGGTT
2521	AAAATTTATA	TCCTTCTTGT	TTTATGTTTC	GGTATAAAAC	ACTAATATCA	ATTTCTGTGG
2581	TTATACTAAA	AGTCGTTTGT	TGGTTCAAAAT	AATGATTAAA	TATCTCTTTT	CTCTCCAAT
2641	TGTCTAAATC	AATTTTATTA	AAGTTCATTT	GATATGCCTC	CTAAATTTTT	ATCTAAAGTG
2701	AATTTAGGAG	GCTTACTTGT	CTGCTTTCTT	CATTAGAATC	AATCCTTTTT	TAAAAGTCAA
2761	TATTACTGTA	ACATAAATAT	ATATTTTAAA	AATATCCCAC	TTTATCCAAT	TTTCGTTTGT
2821	TGAACATAATG	GGTGCTTTAG	TTGAAGAATA	AAAGACCACA	TTAAAAAATG	TGGTCTTTTG
2881	TGTTTTTTTTA	AAGGATTTGA	GCGTAGCGAA	AAATCCTTTT	CTTTCTTATC	TTGATAATAA
2941	GGGTAACAT	TGCCGGGATA	GACTGTAAACA	TTCTCACGCA	TAAAATCCCC	TTTCATTTTC
3001	TAATGTAAAT	CTATTACCTT	ATTATTAATT	CAATTCGCTC	ATAATTAATC	CTTTTCTTAA
3061	TTACGCAAAA	TGGCCCGATT	TAAGCACACC	CTTTATTCCG	TTAATGCGCC	ATGACAGCCA
3121	TGATAATTAC	TAATACTAGG	AGAAGTTAAT	AAATACGGGT	GATCTAATGA	TTCAATGATT

3181 CAAACCCCTTG TGAACTTCTT TAGAACAAAA GAGGTTTCGTA ACAAGATTTT CTTCACACTA
3241 GCAATGTTAG TAATTTTTTAA AATAGGGACT TATATACCAG CTCCAGGAGT AAATCCTGCA
3301 GCTTTTGATA ATCCCCAAGG TTCTCAAGGT GCCACTGAGT TATTAAATAC TTTTGGTGGC
3361 GGAGCCTTGA AACGATTTTC TATTTTTGCA ATGGGTATTG TACCCTACAT CACTGCATCA
3421 ATCGTAATGC AATTATTACA AATGGATATT GTCCCTAAAT TCTCAGAATG GGCAAAACAA
3481 GGTGAAGTAG GTAGAAGAAA GTTAAATAAC GTTACTCGTT ATTTAGCAAT TTCTTTAGCA
3541 TTTATCCAAT CTATAGGTAT GGCATTCCAA TTTAATAAAT ATCTCAAAGG TGCGCTGATT
3601 ATCAATCAGT CAATTATGAG TTATTTATTA ATAGCACTAG TTTTGACAGC AGGAACTGCT
3661 TTCTTAATAT GGCTTGGTGA TCAAATCACT CAGTTCGGTG TTGGTAATGG TATTTCTATT
3721 ATCATATTCC CATCAAGCTT ATTTTAATTA TACTCTATCA ATGATAGAGT GTCAATATTT
3781 TTTTTAGTTT TTCATGAACT CGATCGAGGG GATCCAAATA AAAAAGTAGT TTGACAAATA
3841 ACTCTATCAA TGATAGAGTG TCAACAAAAA GGAGGAATTA ATGATGTCTA GATTAGATAA
3901 AAGTAAAGTG ATTAACAGCG CATTAGAGCT GCTTAATGAG GTCGGAATCG AAGGTTTAAAC
3961 AACCCGTAAA CTCGCCAGA AGCTAGGTGT AGAGCAGCCT ACATTGTATT GGCATGTA
4021 AAATAAGCGG GCTTTGCTCG ACGCCTTAGC CATTGAGATG TTAGATAGGC ACCATACTCA
4081 CTTTTGCCCT TTAGAAGGGG AAAGCTGGCA AGATTTTTTTA CGTAATAACG CTAAAAGTTT
4141 TAGATGTGCT TTAAGTAAAG ATCGCGATGG AGCAAAAGTA CATTTAGGTA CACGGCCTAC
4201 AGAAAAACAG TATGAAACTC TCGAAAATCA ATTAGCCTTT TTATGCCAAC AAGGTTTTTC
4261 ACTAGAGAAT GCATTATATG CACTCAGCGC TGTGGGGCAT TTTACTTTAG GTTGCGTATT
4321 GGAAGATCAA GAGCATCAAG TCGCTAAAGA AGAAAGGGAA ACACCTACTA CTGATAGTAT
4381 GCCGCCATTA TTACGACAAG CTATCGAATT ATTTGATCAC CAAGGTGCAG AGCCAGCCTT
4441 CTTATTCGGC CTTGAATTGA TCATATGCGG ATTAGAAAAA CAACTTAAAT GTGAAAGTGG
4501 GTCTTAAAAAG CAGCATAACC TTTTTCCGTG ATGGTAACTT CACGGTAAAC AAGATAACAA
4561 AGAATACAAG AAAATATTTA CAAAAAATCA ATTTAACAAT TCCTTAAAAAC ATGCAGGAAT
4621 TGACGATTTA AACAATATTA GCTTTGAACA ATTCTTATCT CTTTTCAATA GCTATAAATT
4681 ATTTAATAAG TAAGTTAAGG GATGCATAAA CTGCATCCCT TAACCTGTTT TTCGTGTGCC
4741 TATTTTTTGT GAATCGATTG CCGACTGCGC AAAAGACATA ATCGATTATG TCTTTTGC
4801 AGTCGGCTTA AACCAGTTTT CGCTGGTGGC AAAAAAGAGT GTCTTGTGAC ACTCTTAAAT
4861 TCAAAATCTA TCGGTCAGAT TTATACCGAT TTGATTTTAT ATATTCTTGA ATAACATACG
4921 CCGAGTTATC ACATAAAAGC GGGAAACCAAT CATCAAATTT AAACCTCATT GCATAATCCA
4981 TTAAACTCTT AAATTCTACG ATTCCTTGTT CATCAATAAA CTCAATCATT TCTTTAATTA
5041 ATTTATATCT ATCTGTTGTT GTTTTCTTTA ATAATTCATC AACATCTACA CCGCCATAAA
5101 CTATCATATC TTCTTTTTGA TATTTAAATT TATTAGGATC GTCCATGTGA AGCATATATC
5161 TCACAAGACC TTTTCACTT CCTGCAATCT GCGGAATAGT CGCATTCAAT TCTTCTGTAA
5221 TTATTTTTAT CTGTTTATAA GATTTATTAC CCTCATACAT CACTAGAATA TGATAATGCT
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5341 GAATGTGTAA CTCTTTTAAA TACTCTAACC ACTCGGCTTT TGCTGATTCT GGATATAAAA
5401 CAAATGTCCA ATTACGTCTT CTTGAATTTT TCTTGTTTTT AGTTTCTTTT ATTACATTTT
5461 CGCTCATGAT ATAATAACGG TGCTAATACA TTTAACAAAA TTTAGTCATA TAGAGGCAGC
5521 ATGCCAGTGC TGTCTATCTT TTTTTGTTTA AAATGCACCG TATTCCTCCT TTGCATATTT
5581 TTTTATTAGA ATACCGGTTG CATCTGATTT GCTAATATTA TATTTTTCTT TGATTCTATT
5641 TAATATCTCA TTTTCTTCTG TTGTAAGTCT TAAAGTAACA GCAACTTTTT TCTCTTCTTT
5701 TCTATCTACA ACCATCACTG TACCTCCCAA CATCTGTTTT TTTCACTTTA ACATAAAAAA
5761 CAACCTTTTA ACATTA AAAA CCCAATATTT ATTTATTTGT TTGGACAATG GACAATGGAC
5821 ACCTAGGGGG GAGGTCGTAG TACCCCCCTA TGTTTTCTCC CCTAAATAAC CCCAAAAATC
5881 TAAGAAAAAA AGACCTCAAA AAGGTCTTTA ATTAACATCT CAAATTTTCGC ATTTATTCCA
5941 ATTTCTTTTT TGCGTGTGAT GCGCTGCGTC CATTAAAAAT CCTAGAGCTT TGCAACCGAA
6001 AGTTAATAGC TGTCGCTACT ACTTTCGCTT ACGCTCTAAG TATATTTTAA GGACTGTCAC
6061 ACGCAAAAAG TTTTCTCGGC ATAAAAGTAC CTCTACATCT CTAAATCGTC TGTACGCTGT
6121 TTCTCACGCT TTCTATCGAC CTTCTGGACA TTATCCTGTA CAACATCCAT AAAGTGTCCC
6181 ACACGCTCGA ATTTGGAATC ATTAAGAAT TTCTCTTTAA GCCTATTAAA CCCTTTCTCA
6241 AACCCAGGGA AATTCGCCCT CGCAGCACGA TATAAAGTCA CTGTACTATC TTGAAATTTT
6301 TCTGATACAT TCAACTGCTC ATTCAAACTA TCATTCTCTC GCTTTAATTT ATTAACCTCT
6361 TTACTTTTTT CGTGATACCC CTCTTTCCAT GTATTCACTA CTTCTTTCAA ACTCTCTCTA

6421 CGTTTTTTTTTA ATTCTTGATT TTCTGTGTAA TAGTCTGTGC TCTTAATATT TTCGTAATCA
6481 TCAACAATCC GTTCCTGCCT CGCGCGTTTC GGTGATGACG GTGAAAACCT CTGACACATG
6541 CAGCTCCCGG AGACGGTCAC AGCTTGTCTG TAAGCGGATG CCGGGAGCAG ACAAGCCCGT
6601 CAGGGCGCGT CAGCGGGTGT TGGCGGGTGT CGGGGCGCAG CCATGACCCA GTCACGTAGC
6661 GATAGCGGAG TGTATACTGG CTTAACTATG CGGCATCAGA GCAGATTGTA CTGAGAGTGC
6721 ACCATATGCG GTGTGAAAATA CCGCACAGAT GCGTAAGGAG AAAATACCGC ATCAGGCGCT
6781 CTTCCGCTTC CTCGCTCACT GACTCGCTGC GCTCGGTTCG TCGGCTGCGG CGAGCGGTAT
6841 CAGCTCACTC AAAGGCGGTA ATACGGTTAT CCACAGAATC AGGGGATAAC GCAGGAAAGA
6901 ACATGTGAGC AAAAGGCCAG CAAAAGGCCA GGAACCGTAA AAAGGCCGCG TTGCTGGCGT
6961 TTTTCCATAG GCTCCGCCCC CCTGACGAGC ATCACAAAAA TCGACGCTCA AGTCAGAGGT
7021 GGCGAAACCC GACAGGACTA TAAAGATAAC AGGCGTTTCC CCCTGGAAGC TCCCTCGTGC
7081 GCTCTCCTGT TCCGACCCTG CCGCTTACCG GATACCTGTC CGCCTTTCTC CCTTCGGGAA
7141 GCGTGCGCCT TTCTCATAGC TCACGCTGTA GGTATCTCAG TTCGGTGTAG GTCGTTGCGT
7201 CCAAGCTGGG CTGTGTGCAC GAACCCCCCG TTCAGCCCGA CCGCTGCGCC TTATCCGGTA
7261 ACTATCGTCT TGAGTCCAAC CCGGTAAGAC ACGACTTATC GCCACTGGCA GCAGCCACTG
7321 GTAACAGGAT TAGCAGAGCG AGGTATGTAG GCGGTGCTAC AGAGTTCTTG AAGTGGTGGC
7381 CTAACACGG CTACACTAGA AGGACAGTAT TTGGTATCTG CGCTCTGCTG AAGCCAGTTA
7441 CCTTCGGAAA AAGAGTTGGT AGCTCTTGAT CCGGCAAACA AACCACCGCT GGTAGCGGTG
7501 GTTTTTTTTGT TTGCAAGCAG CAGATTACGC GCAGAAAAAA AGGATCTCAA GAAGATCCTT
7561 TGATCGTTTC TACGGGTCT GACGCTCAGT GGAACGAAAA CTCACGTTAA GGGATTTTGG
7621 TCATGAGATT ATCAAAAAGG ATCTTCACCT AGATCCTTTT AAATTAAAAA TGAAGTTTTA
7681 AATCAATCTA AAGTATATAT GAGTAAACTT GGTCTGACAG TTACCAATGC TTAATCAGTG
7741 AGGCACCTAT CTCAGCGATC TGTCTATTTT GTTCATCCAT AGTTGCCTGA CTCCCCGTCG
7801 TGTAGATAAC TACGATACGG GAGGGCTTAC CATCTGGCCC CAGTGCTGCA ATGATACCGC
7861 GAGACCCACG CTCACCGGCT CCAGATTTAT CAGCAATAAA CCAGCCAGCC GGAAGGGCCG
7921 AGCGCAGAAG TGGTCCTGCA ACTTTATCCG CCTCCATCCA GTCTATTAAT TGTTGCCGGG
7981 AAGCTAGAGT AAGTAGTTCG CCAGTTAATA GTTTGCGCAA CGTTGTTGCC ATTGCTGCAG
8041 GCATCGTGGT GTCACGCTCG TCGTTTGGTA TGGCTTCATT CAGCTCCGGT TCCCAACGAT
8101 CAAGGCGAGT TACATGATCC CCCATGTTGT GCAAAAAAGC GGTTAGCTCC TTCGGTCCCTC
8161 CGATCGTTGT CAGAAGTAAG TTGGCCGCAG TGTTATCACT CATGGTTATG GCAGCACTGC
8221 ATAATTCTCT TACTGTCAATG CCATCCGTAA GATGCTTTTC TGTGACTGGT GAGTACTCAA
8281 CCAAGTCATT CTGAGAATAG TGTATGCGGC GACCGAGTTG CTCTTGCCCC GCGTCAACAC
8341 GGGATAATAC CGCGCCACAT AGCAGAACTT TAAAAGTGCT CATCATTTGA AAACGTTCTT
8401 CGGGGCGAAA ACTCTCAAGG ATCTTACCGC TGTTGAGATC CAGTTCGATG TAACCCACTC
8461 GTGCACCCAA CTGATCTTCA GCATCTTTTA CTTTCACCAG CGTTTCTGGG TGAGCAAAAA
8521 CAGGAAGGCA AAATGCCGCA AAAAAGGGAA TAAGGGCGAC ACGGAAATGT TGAATACTCA
8581 TACTCTTCCT TTTTCAATAT TATTGAAGCA TTTATCAGGG TTATTGTCTC ATGAGCGGAT
8641 ACATATTTGA ATGTATTTAG AAAAATAAAC AAATAGGGGT TCCGCGCACA TTTCCCCGAA
8701 AAGTGCCACC TGACGTCTAA GAAACCATTA TTATCATGAC ATTAACCTAT AAAAATAGGC
8761 GTATCACGAG GCCCTTTCGT CTTCAA

Table 9: Sequence of Plasmid pYFP-R (NRC-49940)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGAAAATA	CCTGTTCCAT	GGCCAACACT	TGTCACTACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCAGAG	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAAGTACA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTTATT	TATATAATTC
541	ATCCATACCT	AATGTAATAC	CTGCTGCTGT	AACAAAATTCT	AATAAAAACA	TGTGATCACG
601	TTTTTCATTT	GGATCTTTTG	ATAATGCTGA	TTGATATGAT	AAATAATGAT	TATCTGGTAA
661	TAAAAGTGA	CCATCACCAA	TAGGTGTATT	TTGTTGATAA	TGATCTGCTA	ATTGAACTGA
721	ACCATCTTCA	ATATTATGAC	GAATTTTAAA	ATTAACTTTA	ATACCATTTT	TTTGTTTATC
781	TGCCATGATA	TAAACATTAT	GTGAGTTATA	ATTATATTCT	AATTTATGAC	CTAAAATATT
841	ACCATCTTCT	TTAAAATCAA	TACCTTTTAA	TTCAATACGA	TAAACTAATG	TATCACCTTC
901	AAATTTAACT	TCAGCACGTG	TTTTATAGTT	GCCATCATCT	TTAAAAAATA	TTGTACGTTT
961	TTGAACATAA	CCTTCAGGCA	TTGCTGATTT	AAAAAATCA	TGTTGTTTCA	TGTGATCTGG
1021	ATAACGTGCA	AAACATTGTA	AACCATAACC	AAATGTTGTA	ACTAATGTTG	GCCATGGAAC
1081	TGGTAATTTA	CCTGTTGTAC	AAATAAATTT	TAATGTTAAT	TTACCATAAG	TTGCATCACC
1141	TTCACCTTCA	CCTGAAACTG	AAAATTTATG	ACCATTAACA	TCACCATCTA	ATTCAACCAA
1201	AATTGGAACA	ACACCTGTAA	ATAATTCTTC	ACCTTTTGAA	ACCATATGTT	TTTCCTCCTT
1261	ATAAAGTTAA	TCACCTAGCG	CCATACCACA	GATGTTCCAG	ATAAATATTG	GAAGCTATAT
1321	ACGTACTTTG	TTTCAAAATG	GGTCAATCGA	GAATATCGTC	AACTGTTTAC	TAAAAATCAG
1381	TTTCATCTAG	CAATGAAACA	CGCCAAAGTA	AACAATTTAA	GTACCGTTAC	TTATGAGCAA
1441	GTATTGTCTA	TTTTTAATAG	TTATCTATTA	TTTAAACGGG	GGAAATAAAT	CTATGAGTCG
1501	CTTTTGTAATA	TTTGGAAAAGT	TACACGTTAC	TAAAGGGAAT	GTAGATAAAT	TATTAGGTAT
1561	ACTACTGACA	GCTTCCAAGG	AGCTAAAGAG	GTCCCTAGCG	CCTACGGGGA	ATTTGTATCG
1621	ATAAGGAATA	GATTTAAAAA	TTTCGCTGTT	ATTTTGTACA	ATAAGGATAA	ATTTGAATGG
1681	TACCATAAAC	GACCGTTTAT	GGTACCATTT	CATTTTCTCG	CTTTTTCTAA	ATGTTTTTTA
1741	AGTAAATCAA	GTACCAAAAT	CCGTTCCCTT	TTCATAGTTC	CTATATAGTT	ATACGCGTCT
1801	AGAGACGTCG	ACCTGCAGGC	ATGCAAGCTC	TGATTTCACT	TTTTGCATTC	TACAAACTGC
1861	ATAACTCATA	TGTAAATCGC	TCCTTTTTAG	GTGGCACAAA	TGTGAGGCAT	TTTCGCTCCT
1921	TCCGGCGAGG	CTAGTTACCC	TTAAGTTATT	GGTATGACTG	GCTTTTANNN	NNNNNNNNNN
1981	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNACCGA	CTGTAAAAAG	TACAGTCGGC
2041	ATTATCTCAT	ATTATAAAAAG	CCAGTCATTA	GGCCTATCTG	ACAATTCCCTG	AATAGAGTTC
2101	ATAAACAATC	CTGCATGATA	ACCATCACAA	ACAGAATGAT	GTACCTGTAA	AGATAGCGGT
2161	AAATATATTG	AATTACCTTT	ATTAATGAAT	TTTCCTGCTG	TAATAATGGG	TAGAAGGTAA
2221	TTACTATTAT	TATTGATATT	TAAGTTAAAC	CCAGTAAATG	AAGTCCATGG	AATAATAGAA
2281	AGAGAAAAAG	CATTTTCAGG	TATAGGTGTT	TTGGGAAACA	ATTTCCCCGA	ACCATTATAT
2341	TTCTCTACAT	CAGAAAGGTA	TAAATCATAA	AACTCTTTGA	AGTCATTCTT	TACAGGAGTC
2401	CAAATACCAG	AGAATGTTTT	AGATACACCA	TCAAAAATTG	TATAAAGTGG	CTCTAACTTA
2461	TCCCAATAAC	CTAACTCTCC	GTCGCTATTG	TAACCAGTTC	TAAAAGCTGT	ATTTGAGTTT
2521	ATCACCCCTG	TCACTAAGAA	AATAAATGCA	GGGTAAAATT	TATATCCTTC	TTGTTTTATG
2581	TTTCGGTATA	AAACACTAAT	ATCAATTTCT	GTGGTTATAC	TAAAAGTCGT	TTGTTGGTTC
2641	AAATAATGAT	TAAATATCTC	TTTTCTCTTC	CAATTGTCTA	AATCAATTTT	ATTAAAGTTC
2701	ATTTGATATG	CCTCCTAAAT	TTTTATCTAA	AGTGAATTTA	GGAGGCTTAC	TTGTCTGCTT
2761	TCTTCATTAG	AATCAATCCT	TTTTTAAAAG	TCAATATTAC	TGTAACATAA	ATATATATTT
2821	TAAAAATATC	CCACTTTATC	CAATTTTCGT	TTGTTGAACT	AATGGGTGCT	TTAGTTGAAG
2881	AATAAAAGAC	CACATTAATA	AATGTGGTCT	TTTGTGTTTT	TTTAAAGGAT	TTGAGCGTAG
2941	CGAAAAATCC	TTTTCTTTCT	TATCTTGATA	ATAAGGGTAA	CTATTGCCGG	GATAGACTGT
3001	AACATTCTCA	CGCATAAAAT	CCCCTTTCAT	TTTCTAATGT	AAATCTATTA	CCTTATTATT
3061	AATTCAATTC	GCTCATAAAT	AATCCTTTTT	CTTATTACGC	AAAATGGCCC	GATTTAAGCA
3121	CACCCTTTAT	TCCGTTAATG	CGCCATGACA	GCCATGATAA	TTACTAATAC	TAGGAGAAGT

3181 TAATAAATAC GGGTGATCTA ATGATTCAAT GATTCAAACC CTTGTGAACT TCTTTAGAAC
3241 AAAAGAGGTT CGTAACAAGA TTTTCTTCAC ACTAGCAATG TTAGTAATTT TTAAAATAGG
3301 GACTTATATA CCAGCTCCAG GAGTAAATCC TGCAGCTTTT GATAATCCCC AAGGTTCTCA
3361 AGGTGCCACT GAGTTATTAA ATACTTTTGG TGGCGGAGCC TTGAAACGAT TTTCTATTTT
3421 TGCAATGGGT ATTGTACCCT ACATCACTGC ATCAATCGTA ATGCAATTAT TACAAATGGA
3481 TATTGTCCCT AAATTCTCAG AATGGGCAAA ACAAGGTGAA GTAGGTAGAA GAAAAGTTAAA
3541 TAACGTTACT CGTTATTTAG CAATTTCTTT AGCATTATC CAATCTATAG GTATGGCATT
3601 CCAATTTAAT AATTATCTCA AAGGTGCGCT GATTATCAAT CAGTCAATTA TGAGTTATTT
3661 ATTAATAGCA CTAGTTTTGA CAGCAGGAAC TGCTTTCTTA ATATGGCTTG GTGATCAAAT
3721 CACTCAGTTC GGTGTTGGTA ATGGTATTTT TATTATCATA TTCCCATCAA GCTTATTTTA
3781 ATTATACTCT ATCAATGATA GAGTGTCAAT ATTTTTTTTA GTTTTTTCATG AACTCGATCG
3841 AGGGGATCCA AATAAAAAAC TAGTTTGACA AATAACTCTA TCAATGATAG AGTGTCAACA
3901 AAAAGGAGGA ATTAATGATG TCTAGATTAG ATAAAAGTAA AGTGATTAAC AGCGCATTAG
3961 AGCTGCTTAA TGAGGTCGGA ATCGAAGGTT TAACAACCCG TAAACTCGCC CAGAAGCTAG
4021 GTGTAGAGCA GCCTACATTG TATTGGCATG TAAAAAATAA GCGGGCTTTG CTCGACGCCT
4081 TAGCCATTGA GATGTTAGAT AGGCACCATA CTCACTTTTG CCCTTTAGAA GGGGAAAGCT
4141 GGCAAGATTT TTTACGTAAT AACGCTAAAA GTTTTAGATG TGCTTTACTA AGTCATCGCG
4201 ATGGAGCAAA AGTACATTTA GGTACACGGC CTACAGAAAA ACAGTATGAA ACTCTCGAAA
4261 ATCAATTAGC CTTTTTATGC CAACAAGGTT TTTCACTAGA GAATGCATTA TATGCACTCA
4321 GCGCTGTGGG GCATTTTACT TTAGTTGCGT TATTGGAAGA TCAAGAGCAT CAAGTCGTA
4381 AAGAAGAAAG GAAAACACCT ACTACTGATA GTATGCCGCC ATTATTACGA AAGTATTCG
4441 AATTATTTGA TCACCAAGGT GCAGAGCCAG CCTTCTTATT CGGCCTTGAA TTGATCATAT
4501 GCGGATTAGA AAAACAACCT AAATGTGAAA GTGGGTCTTA AAAGCAGCAT AACCTTTTTTC
4561 CGTGATGGTA ACTTCACGGT AACCAAGATA ACAAAGAATA CAAGAAAATA TTTACAAAAA
4621 ATCAATTTAA CAATTCCTTA AAACATGCAG GAATTGACGA TTTAAACAAT ATTAGCTTTG
4681 AACAATTCTT ATCTCTTTTC AATAGCTATA AATTATTTAA TAAGTAAGTT AAGGGATGCA
4741 TAAACTGCAT CCCTTAACTT GTTTTTTCGTG TGCCATTTTT TTGTGAATCG ATTATGTCTT
4801 TTGCGCAGTC GGCTTAAACC AGTTTTTCGCT GGTGCGAAAA AAGAGTGTCT TGTGACACTC
4861 TTAAATTCAA AATCTATCGG TCAGATTTAT ACCGATTTGA TTTTATATAT TCTTGAATAA
4921 CATACGCCGA GTTATCACAT AAAAGCGGGA ACCAATCATC AAATTTAAAC TTCATTGCAT
4981 AATCCATTAA ACTCTTAAAT TCTACGATTC CTTGTTTCATC AATAAACTCA ATCATTTCTT
5041 TAATTAATTT ATATCTATCT GTTGTGTGTT TCTTTAATAA TTCATCAACA TCTACACCGC
5101 CATAAACTAT CATATCTTCT TTTTGATATT TAAATTTATT AGGATCGTCC ATGTGAAGCA
5161 TATATCTCAC AAGACCTTTC ACACTTCCTG CAATCTGCGG AATAGTCGCA TTCAATTCTT
5221 CTGTAATTAT TTTTATCTGT TCATAAGATT TATTACCCTC ATACATCACT AGAATATGAT
5281 AATGCTCTTT TTTTATCCTA TCTTCTGTAT CAGTATCCCT ATCATGTAAT GGAGACACTA
5341 CAAATTGAAT GTGTAACCTT TTTAAATACT CTAACCACTC GGCTTTTGCT GATTCTGGAT
5401 ATAAAACAAA TGTCCAATTA CGTCCTCTTG AATTTTTCTT GTTTTCAGTT TCTTTTATTA
5461 CATTTCGCT CATGATATAA TAACGGTGCT AATACATTTA ACAAATTTA GTCATATGATA
5521 GGCAGCATGC CAGTGCTGTC TATCTTTTTT TGTTTAAAAA GCACCGTATT CCTCCTTTCG
5581 ATATTTTTTT ATTAGAATAC CGGTTGCATC TGATTTGCTA ATATTATATT TTTCTTTGAT
5641 TCTATTTAAT ATCTCATTTT CTTCTGTTGT AAGTCTTAAA GTAACAGCAA CTTTTTTCTC
5701 TTCTTTTCTA TCTACAACCA TCACTGTACC TCCCAACATC TGTTTTTTTTC ACTTTAACAT
5761 AAAAAACAAC CTTTTAACAT TAAAAACCA ATATTTATTT ATTTGTTTGG ACAATGGACA
5821 ATGGACACCT AGGGGGGAGG TCGTAGTACC CCCCTATGTT TTCTCCCCTA AATAACCCCA
5881 AAAATCTAAG AAAAAAAGAC CTCAAAAAGG TCTTTAATTA ACATCTCAA TTTTCGATTT
5941 ATTCCAATTT CCTTTTTGCG TGTGATGCGC TCGCTCCATT AAAAATCCTA GAGCTTTGCA
6001 ACCGAAAGTT AATAGCTGTC GCTACTACTT TCGCTTACGC TCTAAGTATA TTTTAAGGAC
6061 TGTCACACGC AAAAAAGTTT CTCGGCATAA AAGTACCTCT ACATCTCTAA ATCGTCTGTA
6121 CGCTGTTTCT CACGCTTTCT ATCGACCTTC TGGACATTAT CCTGTACAAC ATCCATAAAC
6181 TGTCCACAC GCTCGAATTT GGAATCATTA AAGAATTTCT CTTTAAGCCT ATTAACCCCT
6241 TTCTCAAACC CAGGGAAATT CGCCCTCGCA GCACGATATA AAGTCACTGT ACTATCTTGA
6301 AATTTCTCTG ATACATTCAA CTGCTCATTC AAACATCAT TCTCTCGCTT TAATTTATTA
6361 ACCTCTTTAC TTTTTTCGTG ATACCCCTCT TTCCATGTAT TCACTACTTC TTTCAAACCT

6421 TCTCTACGTT TTTTAAATTC TTGATTTTCT GTGTAATAGT CTGTGCTCTT AATATTTTTCG
6481 TAATCATCAA CAATCCGTTT CTGCCTCGCG CGTTTCGGTG ATGACGGTGA AAACCTCTGA
6541 CACATGCAGC TCCCGGAGAC GGTACACAGT TGTCTGTAAG CGGATGCCGG GAGCAGACAA
6601 GCCCGTCAGG GCGCGTCAGC GGGTGTGGC GGGTGTGGG GCGCAGCCAT GACCCAGTCA
6661 CGTAGCGATA GCGGAGTGTA TACTGGCTTA ACTATGCGGC ATCAGAGCAG ATTGTACTGA
6721 GAGTGCACCA TATGCGGTGT GAAATACCGC ACAGATGCGT AAGGAGAAAA TACCGCATCA
6781 GGCCTCTTTC CGCTTCCTCG CTCACTGACT CGCTGCGCTC GGTCGTTTCGG CTGCGGCGAG
6841 CGGTATCAGC TCACTCAAAG GCGGTAATAC GGTTATCCAC AGAATCAGGG GATAACGCAG
6901 GAAAGAACAT GTGAGCAAAA GGCCAGCAAA AGGCCAGGAA CCGTAAAAAG GCCCGGTTGC
6961 TGGCGTTTTT CCATAGGCTC CGCCCCCTG ACGAGCATCA CAAAAATCGA CGCTCAAGTC
7021 AGAGGTGGCG AAACCCGACA GGACTATAAA GATACCAGGC GTTTCCCCCT GGAAGCTCCC
7081 TCGTGCCTC TCCTGTTCGG ACCCTGCCGC TTACCCGATA CCTGTCCGCC TTTCTCCCTT
7141 CGGGAAGCGT GCGCCTTTCT CATAGCTCAC GCTGTAGGTA TCTCAGTTCG GTGTAGGTCG
7201 TTCGCTCCAA GCTGGGCTGT GTGCACGAAC CCCCCGTTCA GCCCGACCGC TGCGCCTTAT
7261 CCGGTAACCTA TCGTCTTGAG TCCAACCCGG TAAGACACGA CTTATCGCCA CTGGCAGCAG
7321 CCACTGGTAA CAGGATTAGC AGAGCGAGGT ATGTAGGCGG TGCTACAGAG TTCTTGAAGT
7381 GGTGGCCTAA CTACGGCTAC ACTAGAAGGA CAGTATTTGG TATCTGCGCT CTGCTGAAGC
7441 CAGTTACCTT CGGAAAAAGA GTTGGTAGCT CTTGATCCGG CAAACAAACC ACCGCTGGTA
7501 GCGGTGGTTT TTTTGTGTTG AAGCAGCAGA TTACGCGCAG AAAAAAGGA TCTCAAGAAG
7561 ATCCTTTGAT CTTTTCTACG GGTCTGACG CTCAGTGGAA CGAAAACTCA CGTTAAGGGA
7621 TTTTGGTCAT GAGATTATCA AAAAGGATCT TCACCTAGAT CCTTTTAAAT TAAAAATGAA
7681 GTTTTAAATC AATCTAAAGT ATATATGAGT AAACCTGGTC TGACAGTTAC CAATGCTTAA
7741 TCAGTGAGGC ACCTATCTCA GCGATCTGTC TATTTTCGTT ATCCATAGTT GCCTGACTCC
7801 CCGTCGTGTA GATAACTACG ATACGGGAGG GCTTACCATC TGGCCCCAGT GCTGCAATGA
7861 TACCGCGAGA CCCACGCTCA CCGGCTCCAG ATTTATCAGC AATAAACCCAG CCAGCCGGAA
7921 GGGCCGAGCG CAGAAGTGGT CCTGCAACTT TATCCGCTC CATCCAGTCT ATTAATTGTT
7981 GCCGGGAAGC TAGAGTAAGT AGTTCGCCAG TTAATAGTTT GCGCAACGTT GTTGCCATTG
8041 CTGCAGGCAT CGTGGTGTCA CGCTCGTCGT TTGGTATGGC TTCATTACAG TCCGGTTCCC
8101 AACGATCAAG GCGAGTTACA TGATCCCCCA TGTTGTGCAA AAAAGCGGTT AGCTCCTTCG
8161 GTCCTCCGAT CGTTGTGAGA AGTAAGTTGG CCGCAGTGTT ATCACTCATG GTTATGGCAG
8221 CACTGCATAA TTCTCTTACT GTCATGCCAT CCGTAAGATG CTTTTCTGTG ACTGGTGAAGT
8281 ACTCAACCAA GTCATTCTGA GAATAGTGTA TGCGGCGACC GAGTTGCTCT TGCCCGGCGT
8341 CAACACGGGA TAATACCGCG CCACATAGCA GAACTTTAAA AGTGCTCATC ATTGGAAAAAC
8401 GTTCTTCGGG GCGAAAACTC TCAAGGATCT TACCGCTGTT GAGATCCAGT TCGATGTAAC
8461 CCACTCGTGC ACCCAACTGA TCTTCAGCAT CTTTTACTTT CACCAGCGTT TCTGGGTGAG
8521 CAAAAACAGG AAGGCAAAAT GCCGCAAAA AGGGAATAAG GGCGACACGG AAATGTTGAA
8581 TACTCATACT CTTCTTTTTT CAATATTATT GAAGCATTTA TCAGGGTTAT TGTCTCATGA
8641 GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAAACAAAT AGGGGTTCCG CGCACATTTT
8701 CCCGAAAAGT GCCACCTGAC GTCTAAGAAA CCATTATTAT CATGACATTA ACCTATAAAA
8761 ATAGGCGTAT CACGAGGCC TTTCTGCTTC AA

Table 10: Sequence of Plasmid pBFP-F (NRC-49941)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGAATACTA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTGATT	AACTTTATAA
541	GGAGGAAAAA	CATATGGTTT	CAAAAAGGTGA	AGAATTATTC	ACAGGTGTTG	TTCCAATTTT
601	GGTTGAATTA	GATGGTGATG	TTAATGGTCA	TCGTTTTTCA	GTTTCAGGTG	AAGGTGAAGG
661	TGATGCAACA	TACGGTAAAT	TAACATTGAA	ATTCATTTGT	ACAACAGGTA	AATTACCAGT
721	TCCATGGCCA	ACATTAGTTA	CAACATTAAC	ATGGGGTGTT	CAATGTTTTT	CACGTTATCC
781	AGATCACATG	AAACAACATG	ATTTCTTTAA	ATCAGCAATG	CCAGAAGGTT	ACGTTCAAGA
841	ACGTACAATT	TTCTTTAAAG	ATGATGGTAA	CTATAAAACA	CGTGCAGAAG	TGAAGTTTGA
901	AGGCGATACA	TTAGTTAATC	GTATTGAATT	AAAAGGTATT	GATTTTAAAG	AAGATGGTAA
961	CATTTTAGGT	CATAAATTAG	AATATAACTA	TATTTACAT	AATGTTTATA	TCACAGCAGA
1021	TAAACAAAAA	AATGGTATTA	AAGCACATTT	CAAAATTCGT	CATAATATTG	AAGATGGTTC
1081	AGTTCAATTA	GCAGATCATT	ATCAACAAAA	TACACCTATT	GGTGATGGTC	CAGTTTTTATT
1141	ACCAGATAAT	CATTACTTAT	CAACACAATC	AGCATTATCA	AAAGATCCAA	ATGAAAAACG
1201	TGATCACATG	GTTTTATTAG	AATTTGTAAC	AGCAGCAGGT	ATTACATTAG	GTATGGATGA
1261	ATTATACAAA	TAACCTAGCG	CCATACCACA	GATGTTCCAG	ATAAATATTG	GAAGCTATAT
1321	ACGTACTTTG	TTTCAAAATG	GGTCAATCGA	GAATATCGTC	AACTGTTTAC	TAAAAATCAG
1381	TTTCATCTAAG	CAATGAAACA	CGCCAAAGTA	AACAATTTAA	GTACCGTTAC	TTATGAGCAA
1441	GTATTGTCTA	TTTTTAATAG	TTATCTATTA	TTTAAACGGGA	GGAAATAAAT	CTATGAGTCG
1501	CTTTTGTAATA	TTTGGAAAAGT	TACACGTTAC	TAAAGGGAAT	GTAGATAAAT	TATTAGGTAT
1561	ACTACTGACA	GCTTCCAAGG	AGCTAAAGAG	GTCCCTAGCG	CCTACGGGGA	ATTTGTATCG
1621	ATAAGGAATA	GATTTAAAAA	TTTCGCTGTT	ATTTTGTACA	ATAAGGATAA	ATTTGAATGG
1681	TACCATAAAC	GACCGTTTAT	GGTACCATTT	CATTTTCTCG	CTTTTTCTAA	ATGTTTTTTA
1741	AGTAAATCAA	GTACCAAAAT	CCGTTCCTTT	TTCATAGTTC	CTATATAGTT	ATACGCGTCT
1801	AGAGACGTCG	ACCTGCAGGC	ATGCAAGCTC	TGATTTCACT	TTTTGCATTC	TACAACTGC
1861	ATAACTCATA	TGTAAATCGC	TCCTTTTTAG	GTGGCACAAA	TGTGAGGCAT	TTTCGCTCTT
1921	TCCGGCGAGG	CTAGTTACCC	TTAAGTTATT	GGTATGACTG	GCTTTTATAA	TATGAGATAA
1981	TGCCGACTGT	AAAAAGTACA	GTCGGCATT	TCTCATATTA	TAAAAGCCAG	TCATTAGGCC
2041	TATCTGACAA	TTCTGAATA	GAGTTCATAA	ACAATCCTGC	ATGATAACCA	TCACAAACAG
2101	AATGATGTAC	CTGTAAAGAT	AGCGGTAAAT	ATATTGAATT	ACCTTTATTA	ATGAATTTTC
2161	CTGCTGTAAT	AATGGGTAGA	AGGTAATTAC	TATTATTATT	GATATTTAAG	TTAAACCCAG
2221	TAAATGAAGT	CCATGGAATA	ATAGAAAGAG	AAAAAGCATT	TTCAGGTATA	GGTGTTTTGG
2281	GAAACAATTT	CCCCGAACCA	TTATATTTCT	CTACATCAGA	AAGGTATAAA	TCATAAAACT
2341	CTTTGAAGTC	ATTCTTTACA	GGAGTCCAAA	TACCAGAGAA	TGTTTTAGAT	ACACCATCAA
2401	AAATTGTATA	AAGTGGCTCT	AACTTATCCC	AATAACCTAA	CTCTCCGTCG	CTATTGTAAC
2461	CAGTCTATAA	AGCTGTATTT	GAGTTTATCA	CCCTTGTCAC	TAAGAAAATA	AATGCAGGTT
2521	AAAATTTATA	TCCTTCTTGT	TTTATGTTTC	GGTATAAAAC	ACTAATATCA	ATTTCTGTGG
2581	TTATACTAAA	AGTCGTTTGT	TGGTTCAAAAT	AATGATTAAA	TATCTCTTTT	CTCTTCCAAT
2641	TGTCTAAATC	AATTTTATTA	AAGTTCATTT	GATATGCCTC	CTAAATTTTT	ATCTAAAGTG
2701	AATTTAGGAG	GCTTACTTGT	CTGCTTTCTT	CATTAGAATC	AATCCTTTTT	TAAAAGTCAA
2761	TATTACTGTA	ACATAAATAT	ATATTTTAAA	AATATCCCAC	TTTATCCAAT	TTTCGTTTGT
2821	TGAACATAATG	GGTGCTTTAG	TTGAAGAATA	AAAGACCACA	TTAAAAAATG	TGGTCTTTTG
2881	TGTTTTTTTTA	AAGGATTTGA	GCGTAGCGAA	AAATCCTTTT	CTTTCTTATC	TTGATAATAA
2941	GGGTAACAT	TGCCGGGATA	GACTGTAAACA	TTCTCACGCA	TAAAATCCCC	TTTCATTTTC
3001	TAATGTAAAT	CTATTACCTT	ATTATTAATT	CAATTCGCTC	ATAATTAATC	CTTTTCTTAA
3061	TTACGCAAAA	TGGCCCGATT	TAAGCACACC	CTTTATTCCG	TTAATGCGCC	ATGACAGCCA
3121	TGATAATTAC	TAATACTAGG	AGAAGTTAAT	AAATACGGGT	GATCTAATGA	TTCAATGATT

3181 CAAACCCCTTG TGAACTTCTT TAGAACAAAA GAGGTTTCGTA ACAAGATTTT CTTCACACTA
3241 GCAATGTTAG TAATTTTTTAA AATAGGGACT TATATACCAG CTCCAGGAGT AAATCCTGCA
3301 GCTTTTGATA ATCCCCAAGG TTCTCAAGGT GCCACTGAGT TATTAAATAC TTTTGGTGGC
3361 GGAGCCTTGA AACGATTTTC TATTTTTGCA ATGGGTATTG TACCCTACAT CACTGCATCA
3421 ATCGTAATGC AATTATTACA AATGGATATT GTCCCTAAAT TCTCAGAATG GGCAAAACAA
3481 GGTGAAGTAG GTAGAAGAAA GTTAAATAAC GTTACTCGTT ATTTAGCAAT TTCTTTAGCA
3541 TTTATCCAAT CTATAGGTAT GGCATTCCAA TTTAATAAAT ATCTCAAAGG TGCGCTGATT
3601 ATCAATCAGT CAATTATGAG TTATTTATTA ATAGCACTAG TTTTGACAGC AGGAACTGCT
3661 TTCTTAATAT GGCTTGGTGA TCAAATCACT CAGTTCGGTG TTGGTAATGG TATTTCTATT
3721 ATCATATTCC CATCAAGCTT ATTTTAATTA TACTCTATCA ATGATAGAGT GTCAATATTT
3781 TTTTTAGTTT TTCATGAACT CGATCGAGGG GATCCAAATA AAAAAGTAGT TTGACAAATA
3841 ACTCTATCAA TGATAGAGTG TCAACAAAAA GGAGGAATTA ATGATGTCTA GATTAGATAA
3901 AAGTAAAGTG ATTAACAGCG CATTAGAGCT GCTTAATGAG GTCGGAATCG AAGGTTTAAAC
3961 AACCCGTAAA CTCGCCAGA AGCTAGGTGT AGAGCAGCCT ACATTGTATT GGCATGTAAA
4021 AAATAAGCGG GCTTTGCTCG ACGCCTTAGC CATTGAGATG TTAGATAGGC ACCATACTCA
4081 CTTTTGCCCT TTAGAAGGGG AAAGCTGGCA AGATTTTTTTA CGTAATAACG CTAAAAGTTT
4141 TAGATGTGCT TTAAGTAAAG ATCGCGATGG AGCAAAAGTA CATTTAGGTA CACGGCCTAC
4201 AGAAAAACAG TATGAAACTC TCGAAAATCA ATTAGCCTTT TTATGCCAAC AAGGTTTTTC
4261 ACTAGAGAAT GCATTATATG CACTCAGCGC TGTGGGGCAT TTTACTTTAG GTTGCGTATT
4321 GGAAGATCAA GAGCATCAAG TCGCTAAAGA AGAAAGGGAA ACACCTACTA CTGATAGTAT
4381 GCCGCCATTA TTACGACAAG CTATCGAATT ATTTGATCAC CAAGGTGCAG AGCCAGCCTT
4441 CTTATTCGGC CTTGAATTGA TCATATGCGG ATTAGAAAAA CAACTTAAAT GTGAAAGTGG
4501 GTCTTAAAAAG CAGCATAACC TTTTTCCGTG ATGGTAACTT CACGGTAAAC AAGATAACAA
4561 AGAATACAAG AAAATATTTA CAAAAAATCA ATTTAACAAT TCCTTAAAAAC ATGCAGGAAT
4621 TGACGATTTA AACAATATTA GCTTTGAACA ATTCTTATCT CTTTTCAATA GCTATAAATT
4681 ATTTAATAAG TAAGTTAAGG GATGCATAAA CTGCATCCCT TAACCTGTTT TTCGTGTGCC
4741 TATTTTTTGT GAATCGATTG CCGACTGCGC AAAAGACATA ATCGATTATG TCTTTTTGCGC
4801 AGTCGGCTTA AACCAGTTTT CGCTGGTGGC AAAAAAGAGT GTCTTGTGAC ACTCTTAAAT
4861 TCAAAATCTA TCGGTCAGAT TTATACCGAT TTGATTTTAT ATATTCTTGA ATAACATACG
4921 CCGAGTTATC ACATAAAAGC GGGAAACCAAT CATCAAATTT AAACCTCATT GCATAATCCA
4981 TTAAACTCTT AAATTCTACG ATTCTTGTGTT CATCAATAAA CTCAATCATT TCTTTAATTA
5041 ATTTATATCT ATCTGTTGTT GTTTTCTTTA ATAATTCATC AACATCTACA CCGCCATAAA
5101 CTATCATATC TTCTTTTTGA TATTTAAATT TATTAGGATC GTCCATGTGA AGCATATATC
5161 TCACAAGACC TTTTCACTT CCTGCAATCT GCGGAATAGT CGCATTCAAT TCTTCTGTAA
5221 TTATTTTTAT CTGTTTATAA GATTTATTAC CCTCATACAT CACTAGAATA TGATAATGCT
5281 CTTTTTTCAT CCTATCTTCT GTATCAGTAT CCCTATCATG TAATGGAGAC ACTACAAATT
5341 GAATGTGTAA CTCTTTTAAA TACTCTAACC ACTCGGCTTT TGCTGATTCT GGATATAAAA
5401 CAAATGTCCA ATTACGTCTT CTTGAATTTT TCTTGTTTTT AGTTTCTTTT ATTACATTTT
5461 CGCTCATGAT ATAATAACGG TGCTAATACA TTTAACAAAA TTTAGTCATA GATAGGCAGC
5521 ATGCCAGTGC TGTCTATCTT TTTTTGTTTA AAATGCACCG TATTCCTCCT TTGCATATTT
5581 TTTTATTAGA ATACCGGTTG CATCTGATTT GCTAATATTA TATTTTTCTT TGATTCTATT
5641 TAATATCTCA TTTTCTTCTG TTGTAAGTCT TAAAGTAAACA GCAACTTTTT TCTCTTCTTT
5701 TCTATCTACA ACCATCACTG TACCTCCCAA CATCTGTTTT TTTCACTTTA ACATAAAAAA
5761 CAACCTTTTA ACATTA AAAA CCCAATATTT ATTTATTTGT TTGGACAATG GACAATGGAC
5821 ACCTAGGGGG GAGGTCGTAG TACCCCCCTA TGTTTTCTCC CCTAAATAAC CCCAAAAATC
5881 TAAGAAAAAA AGACCTCAAA AAGGTCTTTA ATTAACATCT CAAATTTTCGC ATTTATTCCA
5941 ATTTCTTTTT TGCGTGTGAT GCGCTGCGTC CATTAAAAAT CCTAGAGCTT TGCAACCGAA
6001 AGTTAATAGC TGTCGCTACT ACTTTCGCTT ACGCTCTAAG TATATTTTAA GGACTGTCAC
6061 ACGCAAAAAG TTTTCTCGGC ATAAAAGTAC CTCTACATCT CTAAATCGTC TGTACGCTGT
6121 TTCTCACGCT TTCTATCGAC CTTCTGGACA TTATCCTGTA CAACATCCAT AAAGTGTCCC
6181 ACACGCTCGA ATTTGGAATC ATTAAGAAT TTCTCTTTAA GCCTATTAAA CCCTTTCTCA
6241 AACCCAGGGA AATTCGCCCT CGCAGCACGA TATAAAGTCA CTGTACTATC TTGAAATTTT
6301 TCTGATACAT TCAACTGCTC ATTCAAACTA TCATTCTCTC GCTTTAATTT ATTAACCTCT
6361 TTACTTTTTT CGTGATACCC CTCTTTCCAT GTATTCACTA CTTCTTTCAA ACTCTCTCTA

6421 CGTTTTTTTTTA ATTCTTGATT TTCTGTGTAA TAGTCTGTGC TCTTAATATT TTCGTAATCA
6481 TCAACAATCC GTTCCTGCCT CGCGCGTTTC GGTGATGACG GTGAAAACCT CTGACACATG
6541 CAGCTCCCGG AGACGGTCAC AGCTTGTCTG TAAGCGGATG CCGGGAGCAG ACAAGCCCGT
6601 CAGGGCGCGT CAGCGGGTGT TGGCGGGTGT CGGGGCGCAG CCATGACCCA GTCACGTAGC
6661 GATAGCGGAG TGTATACTGG CTTAACTATG CGGCATCAGA GCAGATTGTA CTGAGAGTGC
6721 ACCATATGCG GTGTGAAAATA CCGCACAGAT GCGTAAGGAG AAAATACCGC ATCAGGCGCT
6781 CTTCCGCTTC CTCGCTCACT GACTCGCTGC GCTCGGTTCG TCGGCTGCGG CGAGCGGTAT
6841 CAGCTCACTC AAAGGCGGTA ATACGGTTAT CCACAGAATC AGGGGATAAC GCAGGAAAGA
6901 ACATGTGAGC AAAAGGCCAG CAAAAGGCCA GGAACCGTAA AAAGGCCCGG TTGCTGGCGT
6961 TTTTCCATAG GCTCCGCCCC CCTGACGAGC ATCACAAAAA TCGACGCTCA AGTCAGAGGT
7021 GGCGAAACCC GACAGGACTA TAAAGATAAC AGGCGTTTCC CCCTGGAAGC TCCCTCGTGC
7081 GCTCTCCTGT TCCGACCCTG CCGCTTACCG GATACCTGTC CGCCTTTCTC CCTTCGGGAA
7141 GCGTGCGCGT TTCTCATAGC TCACGCTGTA GGTATCTCAG TTCGGTGTAG GTCGTTGCGT
7201 CCAAGCTGGG CTGTGTGCAC GAACCCCCCG TTCAGCCCGA CCGCTGCGCC TTATCCGGTA
7261 ACTATCGTCT TGAGTCCAAC CCGGTAAGAC ACGACTTATC GCCACTGGCA GCAGCCACTG
7321 GTAACAGGAT TAGCAGAGCG AGGTATGTAG GCGGTGCTAC AGAGTTCTTG AAGTGGTGGC
7381 CTAACACTCG CTACACTAGA AGGACAGTAT TTGGTATCTG CGCTCTGCTG AAGCCAGTTA
7441 CCTTCGGAAA AAGAGTTGGT AGCTCTTGAT CCGGCAAACA AACCACCGCT GGTAGCGGTG
7501 GTTTTTTTGT TTGCAAGCAG CAGATTACGC GCAGAAAAAA AGGATCTCAA GAAGATCCTT
7561 TGATCGTTTC TACGGGTCT GACGCTCAGT GGAACGAAAA CTCACGTTAA GGGATTTGG
7621 TCATGAGATT ATCAAAAAGG ATCTTCACCT AGATCCTTTT AAATTAAAAA TGAAGTTTTA
7681 AATCAATCTA AAGTATATAT GAGTAAACTT GGTCTGACAG TTACCAATGC TTAATCAGTG
7741 AGGCACCTAT CTCAGCGATC TGTCTATTTT GTTCATCCAT AGTTGCCTGA CTCCCCGTCG
7801 TGTAGATAAC TACGATACGG GAGGGCTTAC CATCTGGCCC CAGTGCTGCA ATGATACCGC
7861 GAGACCCACG CTCACCGGCT CCAGATTTAT CAGCAATAAA CCAGCCAGCC GGAAGGGCCG
7921 AGCGCAGAAG TGGTCCTGCA ACTTTATCCG CCTCCATCCA GTCTATTAAT TGTTGCCGGG
7981 AAGCTAGAGT AAGTAGTTCG CCAGTTAATA GTTTGCGCAA CGTTGTTGCC ATTGCTGCAG
8041 GCATCGTGGT GTCACGCTCG TCGTTTGGTA TGGCTTCATT CAGCTCCGGT TCCCAACGAT
8101 CAAGGCGAGT TACATGATCC CCCATGTTGT GCAAAAAAGC GGTTAGCTCC TTCGGTCCCTC
8161 CGATCGTTGT CAGAAGTAAG TTGGCCGCAG TGTTATCACT CATGGTTATG GCAGCACTGC
8221 ATAATTCTCT TACTGTGATG CCATCCGTAA GATGCTTTTC TGTGACTGGT GAGTACTCAA
8281 CCAAGTCATT CTGAGAATAG TGTATGCGGC GACCGAGTTG CTCTTGCCCC GCGTCAACAC
8341 GGGATAATAC CGCGCCACAT AGCAGAACTT TAAAAGTGCT CATCATTTGA AAACGTTCTT
8401 CGGGGCGAAA ACTCTCAAGG ATCTTACCGC TGTTGAGATC CAGTTCGATG TAACCCACTC
8461 GTGCACCCAA CTGATCTTCA GCATCTTTTA CTTTCACCAG CGTTTCTGGG TGAGCAAAAA
8521 CAGGAAGGCA AAATGCCGCA AAAAAGGGAA TAAGGGCGAC ACGGAAATGT TGAATACTCA
8581 TACTCTTCCT TTTTCAATAT TATTGAAGCA TTTATCAGGG TTATTGTCTC ATGAGCGGAT
8641 ACATATTTGA ATGTATTTAG AAAAATAAAC AAATAGGGGT TCCGCGCACA TTTCCCCGAA
8701 AAGTGCCACC TGACGTCTAA GAAACCATTA TTATCATGAC ATTAACCTAT AAAAATAGGC
8761 GTATCACGAG GCCCTTTCGT CTTCAA

Table 11: Sequence of Plasmid pBFP-R (NRC-49942)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTTACC
181	CTTAAATTTA	TTTGCACACT	TGGA AAACTA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTTATT	TGTATAATTC
541	ATCCATACCT	AATGTAATAC	CTGCTGCTGT	TACAAAATTCT	AATAAAAACA	TGTGATCACG
601	TTTTTCATTT	GGATCTTTTG	ATAATGCTGA	TTGTGTTGAT	AAGTAATGAT	TATCTGGTAA
661	TAAAACCTGGA	CCATCACCAA	TAGGTGTATT	TTGTTGATAA	TGATCTGCTA	ATTGAACTGA
721	ACCATCTTCA	ATATTATGAC	GAATTTTGAA	ATGTGCTTTA	ATACCATTTT	TTTGTTTATC
781	TGCTGTGATA	TAAACATTAT	GTGAAATATA	GTTATATTCT	AATTTATGAC	CTAAAATGTT
841	ACCATCTTCT	TTAAAATCAA	TACCTTTTAA	TTCAATACGA	TAAACTAATG	TATCGCCTTC
901	AAACTTCACT	TCTGCACGTG	TTTTATAGTT	ACCATCATCT	TTAAAGAAAA	TTGTACGTTT
961	TTGAACGTAA	CCTTCTGGCA	TTGCTGATTT	AAAGAAATCA	TGTTGTTTCA	TGTGATCTGG
1021	ATAACGTGAA	AAACATTGAA	CACCCCATGT	TAATGTTGTA	ACTAATGTTG	GCCATGGAAC
1081	TGGTAATTTA	CCTGTTGTAC	AAATGAATTT	CAATGTTAAT	TTACCGTATG	TTGCATCACC
1141	TTACCTTCA	CCTGAAACTG	AAAAACGATG	ACCATTAACA	TCACCATCTA	ATTCAACCAA
1201	AATTGGAACA	ACACCTGTGA	ATAATTCTTC	ACCTTTTGAA	ACCATATGTT	TTTCCTCCTT
1261	ATAAAGTTAA	TCACCTAGCG	CCATACCACA	GATGTTCCAG	ATAAATATTG	GAAGCTATAT
1321	ACGTACTTTG	TTTCAAAATG	GGTCAATCGA	GAATATCGTC	AACTGTTTAC	TAAAATCAG
1381	TTTCATCTAG	CAATGAAACA	CGCCAAAGTA	AACAATTTAA	GTACCGTTAC	TTATGAGCAA
1441	GTATTGTCTA	TTTTTAATAG	TTATCTATTA	TTTAAACGGGA	GGAAATAAAT	CTATGAGTCG
1501	CTTTTGTAATA	TTTGGAAAAGT	TACACGTTAC	TAAAGGGAAT	GTAGATAAAT	TATTAGGTAT
1561	ACTACTGACA	GCTTCCAAGG	AGCTAAAGAG	GTCCCTAGCG	CCTACGGGGA	ATTTGTATCG
1621	ATAAGGAATA	GATTTAAAAA	TTTCGCTGTT	ATTTTGTACA	ATAAGGATAA	ATTTGAATGG
1681	TACCATAAAC	GACCGTTTAT	GGTACCATTT	CATTTTCTCG	CTTTTTCTAA	ATGTTTTTTA
1741	AGTAAATCAA	GTACCAAAAT	CCGTTCCCTT	TTCATAGTTC	CTATATAGTT	ATACGCGTCT
1801	AGAGACGTCG	ACCTGCAGGC	ATGCAAGCTC	TGATTTCACT	TTTTGCATTC	TACAACTGC
1861	ATAACTCATA	TGTAAATCGC	TCCTTTTTAG	GTGGCACAAA	TGTGAGGCAT	TTTCGCTCTT
1921	TCCGGCGAGG	CTAGTTACCC	TTAAGTTATT	GGTATGACTG	GCTTTTANNN	NNNNNNNNNN
1981	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNCCGA	CTGTAAAAAG	TACAGTCGGC
2041	ATTATCTCAT	ATTATAAAAAG	CCAGTCATTA	GGCCTATCTG	ACAATTCCCTG	AATAGAGTTC
2101	ATAAACAATC	CTGCATGATA	ACCATCACAA	ACAGAATGAT	GTACCTGTAA	AGATAGCGGT
2161	AAATATATTG	AATTACCTTT	ATTAATGAAT	TTTCCTGCTG	TAATAATGGG	TAGAAGGTAA
2221	TTACTATTAT	TATTGATATT	TAAGTTAAAC	CCAGTAAATG	AAGTCCATGG	AATAATAGAA
2281	AGAGAAAAAG	CATTTTCAGG	TATAGGTGTT	TTGGGAAACA	ATTTCCCCGA	ACCATTATAT
2341	TTCTCTACAT	CAGAAAGGTA	TAAATCATAA	AACTCTTTGA	AGTCATTCTT	TACAGGAGTC
2401	CAAATACCAG	AGAATGTTTT	AGATACACCA	TCAAAAATTG	TATAAAGTGG	CTCTAACTTA
2461	TCCCAATAAC	CTAACTCTCC	GTCGCTATTG	TAACCAGTTC	TAAAAGCTGT	ATTTGAGTTT
2521	ATCACCCCTG	TCACTAAGAA	AATAAATGCA	GGGTAAAATT	TATATCCTTC	TTGTTTTATG
2581	TTTCGGTATA	AAACACTAAT	ATCAATTTCT	GTGGTTATAC	TAAAAGTCGT	TTGTTGGTTC
2641	AAATAATGAT	TAAATATCTC	TTTTCTCTTC	CAATTGTCTA	AATCAATTTT	ATTAAGTTC
2701	ATTTGATATG	CCTCCTAAAT	TTTTATCTAA	AGTGAATTTA	GGAGGCTTAC	TTGTCTGCTT
2761	TCTTCATTAG	AATCAATCCT	TTTTTAAAAG	TCAATATTAC	TGTAACATAA	ATATATATTT
2821	TAAAATATC	CCACTTTATC	CAATTTTCGT	TTGTTGAACT	AATGGGTGCT	TTAGTTGAAG
2881	AATAAAAGAC	CACATTAATA	AATGTGGTCT	TTTGTGTTTT	TTTAAAGGAT	TTGAGCGTAG
2941	CGAAAAATCC	TTTTCTTTCT	TATCTTGATA	ATAAGGGTAA	CTATTGCCGG	GATAGACTGT
3001	AACATTCTCA	CGCATAAAAT	CCCCTTTCAT	TTTCTAATGT	AAATCTATTA	CCTTATTATT
3061	AATTCAATTC	GCTCATAAAT	AATCCTTTTT	CTTATTACGC	AAAATGGCCC	GATTTAAGCA
3121	CACCTTTTAT	TCCGTTAATG	CGCCATGACA	GCCATGATAA	TTACTAATAC	TAGGAGAAGT

3181 TAATAAATAC GGGTGATCTA ATGATTCAAT GATTCAAACC CTTGTGAACT TCTTTAGAAC
3241 AAAAGAGGTT CGTAACAAGA TTTTCTTCAC ACTAGCAATG TTAGTAATTT TTAAAATAGG
3301 GACTTATATA CCAGCTCCAG GAGTAAATCC TGCAGCTTTT GATAATCCCC AAGGTTCTCA
3361 AGGTGCCACT GAGTTATTAA ATACTTTTGG TGGCGGAGCC TTGAAACGAT TTTCTATTTT
3421 TGCAATGGGT ATTGTACCCT ACATCACTGC ATCAATCGTA ATGCAATTAT TACAAATGGA
3481 TATTGTCCCT AAATTCTCAG AATGGGCAAA ACAAGGTGAA GTAGGTAGAA GAAAAGTTAAA
3541 TAACGTTACT CGTTATTTAG CAATTTCTTT AGCATTATC CAATCTATAG GTATGGCATT
3601 CCAATTTAAT AATTATCTCA AAGGTGCGCT GATTATCAAT CAGTCAATTA TGAGTTATTT
3661 ATTAATAGCA CTAGTTTTGA CAGCAGGAAC TGCTTTCTTA ATATGGCTTG GTGATCAAAT
3721 CACTCAGTTC GGTGTTGGTA ATGGTATTTT TATTATCATA TTCCCATCAA GCTTATTTTA
3781 ATTATACTCT ATCAATGATA GAGTGTCAAT ATTTTTTTTA GTTTTTTCATG AACTCGATCG
3841 AGGGGATCCA AATAAAAAAC TAGTTTGACA AATAACTCTA TCAATGATAG AGTGTCAACA
3901 AAAAGGAGGA ATTAATGATG TCTAGATTAG ATAAAAGTAA AGTGATTAAC AGCGCATTAG
3961 AGCTGCTTAA TGAGGTCGGA ATCGAAGGTT TAACAACCCG TAAACTCGCC CAGAAGCTAG
4021 GTGTAGAGCA GCCTACATTG TATTGGCATG TAAAAAATAA GCGGGCTTTG CTCGACGCCT
4081 TAGCCATTGA GATGTTAGAT AGGCACCATA CTCACTTTTG CCCTTTAGAA GGGGAAAGCT
4141 GGCAAGATTT TTTACGTAAT AACGCTAAAA GTTTTAGATG TGCTTTACTA AGTCATCGCG
4201 ATGGAGCAAA AGTACATTTA GGTACACGGC CTACAGAAAA ACAGTATGAA ACTCTCGAAA
4261 ATCAATTAGC CTTTTTATGC CAACAAGGTT TTTCACTAGA GAATGCATTA TATGCACTCA
4321 GCGCTGTGGG GCATTTTACT TTAGTTGCGT TATTGGGAAGA TCAAGAGCAT CAAGTCGTA
4381 AAGAAGAAAG GAAAACACCT ACTACTGATA GTATGCCGCC ATTATTACGA AAGTATCTCG
4441 AATTATTTGA TCACCAAGGT GCAGAGCCAG CCTTCTTATT CGGCCTTGAA TTGATCATAT
4501 GCGGATTAGA AAAACAACCT AAATGTGAAA GTGGGTCTTA AAAGCAGCAT AACCTTTTTTC
4561 CGTGATGGTA ACTTCACGGT AACCAAGATA ACAAAGAATA CAAGAAAATA TTTACAAAAA
4621 ATCAATTTAA CAATTCCTTA AAACATGCAG GAATTGACGA TTTAAACAAT ATTAGCTTTG
4681 AACAATTCTT ATCTCTTTTC AATAGCTATA AATTATTTAA TAAGTAAGTT AAGGGATGCA
4741 TAAACTGCAT CCCTTAACTT GTTTTTTCGTG TGCCATTTTT TTGTGAATCG ATTATGTCTT
4801 TTGCGCAGTC GGCTTAAACC AGTTTTTCGCT GGTGCGAAAA AAGAGTGTCT TGTGACACTC
4861 TTAAATTCAA AATCTATCGG TCAGATTTAT ACCGATTTGA TTTTATATAT TCTTGAATAA
4921 CATACGCCGA GTTATCACAT AAAAGCGGGA ACCAATCATC AAATTTAAAC TTCATTGCAT
4981 AATCCATTAA ACTCTTAAAT TCTACGATTC CTTGTTTCATC AATAAACTCA ATCATTTCTT
5041 TAATTAATTT ATATCTATCT GTTGTGTGTT TCTTTAATAA TTCATCAACA TCTACACCGC
5101 CATAAACTAT CATATCTTCT TTTTGATATT TAAATTTATT AGGATCGTCC ATGTGAAGCA
5161 TATATCTCAC AAGACCTTTC ACACTTCCTG CAATCTGCGG AATAGTCGCA TTCAATTCTT
5221 CTGTAATTAT TTTTATCTGT TCATAAGATT TATTACCCTC ATACATCACT AGAATATGAT
5281 AATGCTCTTT TTTTATCCTA TCTTCTGTAT CAGTATCCCT ATCATGTAAT GGAGACACTA
5341 CAAATTGAAT GTGTAACCTT TTTAAATACT CTAACCACTC GGCTTTTGCT GATTCTGGAT
5401 ATAAAACAAA TGTCCAATTA CGTCCTCTTG AATTTTTCTT GTTTTCAGTT TCTTTTATTA
5461 CATTTTCGCT CATGATATAA TAACGGTGCT AATACATTTA ACAAATTTA GTCATATGATA
5521 GGCAGCATGC CAGTGCTGTC TATCTTTTTT TGTTTAAAAA GCACCGTATT CCTCCTTTCG
5581 ATATTTTTTT ATTAGAATAC CGGTTGCATC TGATTTGCTA ATATTATATT TTTCTTTGAT
5641 TCTATTTAAT ATCTCATTTT CTTCTGTTGT AAGTCTTAAA GTAACAGCAA CTTTTTTCTC
5701 TTCTTTTCTA TCTACAACCA TCACTGTACC TCCCAACATC TGTTTTTTTTC ACTTTAACAT
5761 AAAAAACAAC CTTTTAACAT TAAAAACCA ATATTTATTT ATTTGTTTGG ACAATGGACA
5821 ATGGACACCT AGGGGGGAGG TCGTAGTACC CCCCTATGTT TTCTCCCCTA AATAACCCCA
5881 AAAATCTAAG AAAAAAAGAC CTCAAAAAGG TCTTTAATTA ACATCTCAAA TTTTCGATTT
5941 ATTCCAATTT CCTTTTTGCG TGTGATGCGC TCGCTCCATT AAAAATCCTA GAGCTTTGCA
6001 ACCGAAAGTT AATAGCTGTC GCTACTACTT TCGCTTACGC TCTAAGTATA TTTTAAGGAC
6061 TGTCACACGC AAAAAAGTTT CTCGGCATAA AAGTACCTCT ACATCTCTAA ATCGTCTGTA
6121 CGCTGTTTCT CACGCTTTCT ATCGACCTTC TGGACATTAT CCTGTACAAC ATCCATAAAC
6181 TGTCCACAC GCTCGAATTT GGAATCATTA AAGAATTTCT CTTTAAGCCT ATTAACCCCT
6241 TTCTCAAACC CAGGGAAATT CGCCCTCGCA GCACGATATA AAGTCACTGT ACTATCTTGA
6301 AATTTCTCTG ATACATTCAA CTGCTCATTC AAACATCAT TCTCTCGCTT TAATTTATTA
6361 ACCTCTTTAC TTTTTTCGTG ATACCCCTCT TTCCATGTAT TCACTACTTC TTTCAAACCT

6421 TCTCTACGTT TTTTAAATTC TTGATTTTCT GTGTAATAGT CTGTGCTCTT AATATTTTTCG
6481 TAATCATCAA CAATCCGTTT CTGCCTCGCG CGTTTCGGTG ATGACGGTGA AAACCTCTGA
6541 CACATGCAGC TCCCGGAGAC GGTACAGCT TGTCTGTAAG CGGATGCCGG GAGCAGACAA
6601 GCCCGTCAGG GCGCGTCAGC GGGTGTGGC GGGTGTGGG GCGCAGCCAT GACCCAGTCA
6661 CGTAGCGATA GCGGAGTGTA TACTGGCTTA ACTATGCGGC ATCAGAGCAG ATTGTACTGA
6721 GAGTGCACCA TATGCGGTGT GAAATACCGC ACAGATGCGT AAGGAGAAAA TACCGCATCA
6781 GGCCTCTTTC CGCTTCCTCG CTCCTGACT CGCTGCGCTC GGTCGTTTCGG CTGCGGCGAG
6841 CGGTATCAGC TCACTCAAAG GCGGTAATAC GGTTATCCAC AGAATCAGGG GATAACGCAG
6901 GAAAGAACAT GTGAGCAAAA GGCCAGCAAA AGGCCAGGAA CCGTAAAAAG GCCCGGTTGC
6961 TGGCGTTTTT CCATAGGCTC CGCCCCCTG ACGAGCATCA CAAAAATCGA CGCTCAAGTC
7021 AGAGGTGGCG AAACCCGACA GGACTATAAA GATACCAGGC GTTTCCCCCT GGAAGCTCCC
7081 TCGTGCCTC TCCTGTTCCTG ACCCTGCCGC TTACCCGATA CCTGTCCGCC TTTCTCCCTT
7141 CGGGAAGCGT GGCCTTTTCT CATAGCTCAC GCTGTAGGTA TCTCAGTTCG GTGTAGGTCG
7201 TTCGCTCCAA GCTGGGCTGT GTGCACGAAC CCCCCGTTCA GCCCGACCGC TGCGCCTTAT
7261 CCGGTAACCTA TCGTCTTGAG TCCAACCCGG TAAGACACGA CTTATCGCCA CTGGCAGCAG
7321 CCACTGGTAA CAGGATTAGC AGAGCGAGGT ATGTAGGCGG TGCTACAGAG TTCTTGAAGT
7381 GGTGGCCTAA CTACGGCTAC ACTAGAAGGA CAGTATTTGG TATCTGCGCT CTGCTGAAGC
7441 CAGTTACCTT CGGAAAAAGA GTTGGTAGCT CTTGATCCGG CAAACAAACC ACCGCTGGTA
7501 GCGGTGGTTT TTTTGTGTTG AAGCAGCAGA TTACGCGCAG AAAAAAGGA TCTCAAGAAG
7561 ATCCTTTGAT CTTTTCTACG GGTCTGACG CTCAGTGGAA CGAAAACTCA CGTTAAGGGA
7621 TTTTGGTCAT GAGATTATCA AAAAGGATCT TCACCTAGAT CCTTTTAAAT TAAAAATGAA
7681 GTTTTAAATC AATCTAAAGT ATATATGAGT AAACCTGGTC TGACAGTTAC CAATGCTTAA
7741 TCAGTGAGGC ACCTATCTCA GCGATCTGTC TATTTTCGTT ATCCATAGTT GCCTGACTCC
7801 CCGTCGTGTA GATAACTACG ATACGGGAGG GCTTACCATC TGGCCCCAGT GCTGCAATGA
7861 TACCGCGAGA CCCACGCTCA CCGGCTCCAG ATTTATCAGC AATAAACCCAG CCAGCCGGAA
7921 GGGCCGAGCG CAGAAGTGGT CCTGCAACTT TATCCGCTC CATCCAGTCT ATTAATTGTT
7981 GCCGGGAAGC TAGAGTAAGT AGTTCGCCAG TTAATAGTTT GCGCAACGTT GTTGCCATTG
8041 CTGCAGGCAT CGTGGTGTCA CGCTCGTCGT TTGGTATGGC TTCATTACAG TCCGGTTCCC
8101 AACGATCAAG GCGAGTTACA TGATCCCCCA TGTTGTGCAA AAAAGCGGTT AGCTCCTTCG
8161 GTCCTCCGAT CGTTGTGAGA AGTAAGTTGG CCGCAGTGTT ATCACTCATG GTTATGGCAG
8221 CACTGCATAA TTCTCTTACT GTCATGCCAT CCGTAAGATG CTTTTCTGTG ACTGGTGAAGT
8281 ACTCAACCAA GTCATTCTGA GAATAGTGTA TGCGGCGACC GAGTTGCTCT TGCCCGGCGT
8341 CAACACGGGA TAATACCGCG CCACATAGCA GAACTTTAAA AGTGCTCATC ATTGGAAAAAC
8401 GTTCTTCGGG GCGAAAACTC TCAAGGATCT TACCGCTGTT GAGATCCAGT TCGATGTAAC
8461 CCACTCGTGC ACCCAACTGA TCTTCAGCAT CTTTTACTTT CACCAGCGTT TCTGGGTGAG
8521 CAAAAACAGG AAGGCAAAAT GCCGCAAAA AGGGAATAAG GGCGACACGG AAATGTTGAA
8581 TACTCATACT CTTCTTTTTT CAATATTATT GAAGCATTTA TCAGGGTTAT TGTCTCATGA
8641 GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAAACAAAT AGGGGTTCCG CGCACATTTT
8701 CCCGAAAAGT GCCACCTGAC GTCTAAGAAA CCATTATTAT CATGACATTA ACCTATAAAA
8761 ATAGGCGTAT CACGAGGCC TTTCTGCTTC AA

Table 12: Sequence of Plasmid pRFP-F (NRC-49943)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGA AAACTA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCCG	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTGATT	AACTTTATAA
541	GGAGGAAAAA	CATATGGATA	ATACAGAAGA	TGTTATTAAA	GAATTTATGC	GTTTTTAAAGT
601	TCGTATGGAA	GGTTCAGTTA	ATGGTCATGA	ATTTGAAATT	GAAGGTGAAG	GTGAAGGACG
661	TCCATATGAA	GGTACACAAA	CAGCAAAATT	AAAAGTTACA	AAAGGTGGTC	CATTACCATT
721	TGCATGGGAT	ATTTTATCAC	CACAATTTCA	ATATGGTTCA	AAAGTTTATG	TTAAACATCC
781	AGCAGATATT	CCAGATTATA	AGAAATTATC	ATTTCTTGAA	GGTTTTAAAT	GGGAACGTGT
841	TATGAATTTT	GAAGATGGTG	GTGTTGTTAC	AGTTACACAA	GATTCATCAT	TACAAGATGG
901	TTGTTTTTATC	TATAAAGTTA	AATTTATTGG	TGTTAATTTT	CCATCAGATG	GTCCAGTTAT
961	GCAAAAAGAAA	ACAATGGGTT	GGGAACCATC	AACAGAACGT	TTATATCCAC	GTGATGGTGT
1021	TTTAAAAGGT	GAAATTCATA	AAGCATTGAA	ATTTAAAAGAT	GGTGGTCATT	ATTTAGTTGA
1081	ATTTAAATCA	ATTTTATATGG	CAAAAAAACC	AGTTCAATTA	CCAGGTATT	ATTATGTTGA
1141	TTCAAAATTA	GATATTACAT	CACATAATGA	AGATTATACA	ATTGTTGAAC	AATATGAACG
1201	TACAGAAGGT	CGTCATCATT	TGTTTTTATA	ACCTAGCGCC	ATACCACAGA	TGTTCCAGAT
1261	AAATATTGGA	AGCTATATAC	GTACTTTGTT	TCAAAATGGG	TCAATCGAGA	ATATCGTCAA
1321	CTGTTTACTA	AAAATCAGTT	TCATCAAGCA	ATGAAACACG	CCAAAGTAAA	CAATTTAAGT
1381	ACCCTTACTT	ATGAGCAAGT	ATTGCTTATT	TTTAATAGTT	ATCTATTATT	TAACGGGAGG
1441	AAATAATTTCT	ATGAGTCGCT	TTTGTAATTT	TGGAAAGTTA	CACGTTACTA	AAGGGAATGT
1501	AGATAAATTA	TTAGGTATAC	TACTGACAGC	TTCCAAGGAG	CTAAAGAGGT	CCCTAGCGCC
1561	TACGGGGAAT	TTGTATCGAT	AAGGAATAGA	TTTTAAAATT	TCGCTGTTAT	TTTGTAACAAT
1621	AAGGATAAAT	TTGAATGGTA	CCATAAACGA	CCGTTTATGG	TACCATTTC	TTTTCTGCT
1681	TTTTCTAAAT	GTTTTTTAAG	TAAATCAAGT	ACCAAAATCC	GTTCTTTTT	CATAGTTCT
1741	ATATAGTTAT	ACGCGTCTAG	AGACGTCGAC	CTGCAGGCAT	GCAAGCTCTG	ATTTCACTTT
1801	TTGCATTCTA	CAAACATGCAT	AACTCATATG	TAAATCGCTC	CTTTTTAGGT	GGCACAAATG
1861	TGAGGCATTT	TCGCTCTTTC	CGGCGAGGCT	AGTTACCCTT	AAGTTATTGG	TATGACTGGC
1921	TTTTATAATA	TGAGATAATG	CCGACTGTAA	AAAGTACAGT	CGGCATTATC	TCATATTATA
1981	AAAGCCAGTC	ATTAGGCCTA	TCTGACAATT	CCTGAATAGA	GTTCAATAAC	AATCCTGCAT
2041	GATAACCATC	ACAAACAGAA	TGATGTACCT	GTAAGATAG	CGGTAAATAT	ATTGAATTAC
2101	CTTTATTAAT	GAATTTTCT	GCTGTAATAA	TGGGTAGAAG	GTAATTACTA	TTATTATTGA
2161	TATTTAAGTT	AAACCCAGTA	AATGAAGTCC	ATGGAATAAT	AGAAAGAGAA	AAAGCATTTT
2221	CAGGTATAGG	TGTTTTGGGA	AACAATTTCC	CCGAACCATT	ATATTTCTCT	ACATCAGAAA
2281	GGTATAAATC	ATAAACTCT	TTGAAGTCAT	TCTTTACAGG	AGTCCAAATA	CCAGAGAATG
2341	TTTTAGATAC	ACCATCAAAA	ATTGTATAAA	GTGGCTCTAA	CTTATCCCAA	TAACCTAACT
2401	CTCCGTCGCT	ATTGTAACCA	GTTCTAAAAG	CTGTATTTGA	GTTTATCACC	CTTGTCACTA
2461	AGAAAATAAA	TGCAGGGTAA	AATTTATATC	CTTCTTGTTT	TATGTTTCGG	TATAAAAAC
2521	TAATATCAAT	TTCTGTGGTT	ATACTAAAAG	TCGTTTGTTG	GTTCAAATAA	TGATTAATAA
2581	TCTCTTTTCT	CTTCCAATTG	TCTAAAATCAA	TTTTATTAAA	GTTCAATTGA	TATGCCTCCT
2641	AAATTTTTAT	CTAAAGTGAA	TTTAGGAGGC	TTACTTGTCT	GCTTTCTTCA	TTAGAATCAA
2701	TCCTTTTTTA	AAAGTCAATA	TTACTGTAAC	ATAAATATAT	ATTTTTAAAA	TATCCCCTT
2761	TATCCAATTT	TCGTTTGTTG	AACTAATGGG	TGCTTTAGTT	GAAGAATAAA	AGACCACATT
2821	AAAAAATGTG	GTCTTTTGTG	TTTTTTTTAAA	GGATTTGAGC	GTAGCGAAAA	ATCCTTTTCT
2881	TTCTTATCTT	GATAATAAGG	GTAACATTTG	CCGGGATAGA	CTGTAACATT	CTCACGCATA
2941	AAATCCCCTT	TCATTTTCTA	ATGTAAATCT	ATTACCTTAT	TATTAATTCA	ATTTCGCTCAT
3001	AATTAATCCT	TTTTCTTATT	ACGCAAAATG	GCCCATTGTA	AGCACACCCT	TTATTCCGTT
3061	AATGCGCCAT	GACAGCCATG	ATAATTACTA	ATACTAGGAG	AAGTTAATAA	ATACGGGTGA
3121	TCTAATGATT	CAATGATTCA	AACCCTTGTTG	AACTTCTTTA	GAACAAAAGA	GGTTCGTAAC

3181 AAGATTTTCT TCACACTAGC AATGTTAGTA ATTTTTAAAA TAGGGACTTA TATACCAGCT
 3241 CCAGGAGTAA ATCCTGCAGC TTTTGATAAT CCCCAGGTT CTCAAGGTGC CACTGAGTTA
 3301 TTAAATACTT TTGGTGCGG AGCCTTGAAA CGATTTTCTA TTTTGTCAAT GGGTATTGTA
 3361 CCCTACATCA CTGCATCAAT CGTAATGCAA TTATTACAAA TGGATATTGT CCCTAAATTC
 3421 TCAGAATGGG CAAAACAAGG TGAAGTAGGT AGAAGAAAAGT TAAATAACGT TACTCGTTAT
 3481 TTAGCAATTT CTTTAGCATT TATCCAATCT ATAGGTATGG CATTCCAATT TAATAATTAT
 3541 CTCAAAGGTG CGCTGATTAT CAATCAGTCA ATTATGAGTT ATTTATTAAT AGCACTAGTT
 3601 TTGACAGCAG GAACTGCTTT CTTAATATGG CTTGGTGATC AAATCACTCA GTTCGGTGTT
 3661 GGTAATGGTA TTTCTATTAT CATATTCCCA TCAAGCTTAT TTTAATTATA CTCTATCAAT
 3721 GATAGAGTGT CAATATTTTT TTTAGTTTTT CATGAACTCG ATCGAGGGGA TCCAAATAAA
 3781 AAAGTAGTTT GACAAATAAC TCTATCAATG ATAGAGTGTC AACAAAAAGG AGGAATTAAT
 3841 GATGTCTAGA TTAGATAAAA GTAAAGTGAT TAACAGCGCA TTAGAGCTGC TTAATGAGGT
 3901 CGGAATCGAA GGTTTAACAA CCCGTAAACT CGCCCAGAAG CTAGGTGTAG AGCAGCCTAC
 3961 ATTGATTGGG CATGTAAAAA ATAAGCGGGC TTTGCTCGAC GCCTTAGCCA TTGAGATGTT
 4021 AGATAGGCAC CATACTCACT TTTGCCCTTT AGAAGGGGAA AGCTGGCAAG ATTTTTTACG
 4081 TAATAACGCT AAAAGTTTTA GATGTGCTTT ACTAAGTCAT CGCGATGGAG CAAAAGTACA
 4141 TTTAGGTACA CGGCCTACAG AAAACAGTA TGAACTCTC GAAAATCAAT TAGCCTTTTT
 4201 ATGCCAACAA GGTTTTTTAC TAGAGAATGC ATTATATGCA CTCAGCGCTG TGGGGCATT
 4261 TACTTTAGTT TGCCTATTGG AAGATCAAGA GCATCAAGTC GCTAAAGAAG AAAGGGAAC
 4321 ACCTACTACT GATAGTATGC CGCCATTATT ACGACAAGT ATCGAATTAT TTGATACCA
 4381 AGGTGCAGAG CCAGCCTTCT TATTCCGGCT TGAATTGATC ATATGCGGAT TAGAAAAACA
 4441 ACTTAAATGT GAAAGTGGGT CTTAAAAGCA GCATAACCTT TTTCCGTGAT GGTAACCTCA
 4501 CGGTAACCAA GATAACAAAG AATACAAGAA AATATTTACA AAAAATCAAT TTAACAATTC
 4561 CTTAAAACAT GCAGGAATTG ACGATTTAAA CAATATTAGC TTTGAACAAT TCTTATCTCT
 4621 TTTCAATAGC TATAAATTAT TTAATAAGTA TGCCATTTTT TTGTGAATCG ATTGCCGACT
 4681 GCGCAAAAAGA CATAATCGAT TATGTCTTTT GCGCAGTCGG CTTAAACCAG TTTTCGCTGG
 4741 TGCGAAAAAA GAGTGTCTTG TGACACTCTT AAATTCAAAA TCTATCGGTC AGATTTATAC
 4801 CGATTTGATT TTATATATTC TTGAATAACA TACGCCGAGT TATCACATAA AAGCGGGAAC
 4861 CAATCATCAA ATTTAAACTT CATTGCATAA TCCATTAAAC TCTTAAATTC TACGATTCTT
 4921 TGTTTCATCAA TAAACTCAAT CATTCTTTTA ATTAATTTAT ATCTATCTGT TGTTGTTTTT
 4981 TTTAATAATT CATCAACATC TACACCGCCA TAAACTATCA TATCTTCTTT TTGATATTTA
 5041 AATTTATTAG GATCGTCCAT GTGAAGCATA TATCTCACAA GACCTTTCAC ACTTCTGCA
 5101 ATCTGCGGAA TAGTCGCATT CAATTCTTCT GTAATTATTT TTATCTGTTT ATAAGATTTA
 5161 TTACCCTCAT ACATCACTAG AATATGATAA TGCTCTTTTT TCATCCTATC TTCTGTATCA
 5221 GTATCCCTAT CATGTAATGG AGACACTACA AATTGAATGT GTAACCTTTT TAAATACTCT
 5281 AACCCTCGG CTTTTGCTGA TTCTGGATAT AAAACAAATG TCCAATTACG TCCTCTTGAA
 5341 TTTTCTTGT TTTTCTTGT TTTTATTACA TTTTCTGCTA TGATATAATA ACGGTGCTAA
 5401 TACATTTAAC AAAATTTAGT CATAGATAGG CAGCATGCCA GTGCTGTCTA TCTTTTGTG
 5461 TTTAAAATGC ACCGTATTCC TCCTTTGCAT ATTTTTTTAT TAGAATACCG GTTGCATCTG
 5521 ATTTGCTAAT ATTATATTTT TCTTTGATTC TATTTAATAT CTCATTTTCT TCTGTTGTAA
 5581 GTCTTAAAGT AACAGCAACT TTTTCTCTT CTTTTCTATC TACAACCATC ACTGTACCTC
 5641 CCAACATCTG TTTTTTTCAC TTTAACATAA AAAACAACCT TTTAACATTA AAAACCCAAT
 5701 ATTTATTTAT TTGTTTGGAC AATGGACAAT GGACACCTAG GGGGGAGGTC GTAGTACCCC
 5761 CCTATGTTTT CTCCCCTAAA TAACCCCAA AATCTAAGAA AAAAAGACCT CAAAAGGTC
 5821 TTTAATTAAC ATCTCAAATT TCGCATTAT TCCAATTTCC TTTTGTGCTG TGATGCGCTG
 5881 CGTCCATTAA AAATCCTAGA GCTTTGCAAC CGAAAGTTAA TAGCTGTGCG TACTACTTTC
 5941 GCTTACGCTC TAAGTATATT TTAAGGACTG TCACACGCAA AAAGTTTTCT CGGCATAAAA
 6001 GTACCTCTAC ATCTCTAAAT CGTCTGTACG CTGTTTCTCA CGCTTCTAT CGACCTTCTG
 6061 GACATTATCC TGTACAACAT CCATAAACTG TCCCACACGC TCGAATTTGG AATCATTAAA
 6121 GAATTTCTCT TTAAGCCTAT TAAACCCTTT CTCAAACCCA GGGAAATTCG CCCTCGCAGC
 6181 ACGATATAAA GTCACTGTAC TATCTTGAAA TTTCTCTGAT ACATTCAACT GCTCATTCAA
 6241 ACTATCATTC TCTCGCTTTA ATTTATTAAC CTCTTTACTT TTTTGTGAT ACCCCTCTTT
 6301 CCATGTATTC ACTACTTCTT TCAAACCTCT TCTACGTTTT TTTAATCTT GATTTTCTGT
 6361 GTAATAGTCT GTGCTCTTAA TATTTTCGTA ATCATCAACA ATCCGTTCTT GCCTCGCGG

6421 TTTTCGGTGAT GACGGTGAAA ACCTCTGACA CATGCAGCTC CCGGAGACGG TCACAGCTTG
6481 TCTGTAAGCG GATGCCGGGA GCAGACAAGC CCGTCAGGGC GCGTCAGCGG GTGTTGGCGG
6541 GTGTCGGGGC GCAGCCATGA CCCAGTCACG TAGCGATAGC GGAGTGTATA CTGGCTTAAC
6601 TATGCGGCAT CAGAGCAGAT TGTACTGAGA GTGCACCATA TGCGGTGTGA AATACCGCAC
6661 AGATGCGTAA GGAGAAAATA CCGCATCAGG CGCTCTTCCG CTTCTCTCGCT CACTGACTCG
6721 CTGCGCTCGG TCGTTTCGGCT GCGGCGAGCG GTATCAGCTC ACTCAAAGGC GGTAATACGG
6781 TTATCCACAG AATCAGGGGA TAACGCAGGA AAGAACATGT GAGCAAAAGG CCAGCAAAAG
6841 GCCAGGAACC GTAAAAAGGC CGCGTTGCTG GCGTTTTTCC ATAGGCTCCG CCCCCCTGAC
6901 GAGCATCACA AAAATCGACG CTCAAGTCAG AGGTGGCGAA ACCCGACAGG ACTATAAAGA
6961 TACCAGGCGT TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAC CCTGCCGCTT
7021 ACCGGATACC TGTCCGCTT TCTCCCTTCG GGAAGCGTGG CGCTTTCTCA TAGCTCACGC
7081 TGTAGGTATC TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC TGGGCTGTGT GCACGAACCC
7141 CCCGTTTCCG CCGACCGCTG CGCCTTATCC GGTAACATATC GTCTTGAGTC CAACCCGGTA
7201 AGACACGACT TATCGCCACT GGCAGCAGCC ACTGGTAACA GGATTAGCAG AGCGAGGTAT
7261 GTAGGCGGTG CTACAGAGTT CTTGAAGTGG TGGCCTAACT ACGGCTACAC TAGAAGGACA
7321 GTATTTGGTA TCTGCGCTCT GCTGAAGCCA GTTACCTTCG GAAAAAGAGT TGGTAGCTCT
7381 TGATCCGGCA AACAAACCAC CGCTGGTAGC GGTGGTTTTT TTGTTTGCAA GCAGCAGATT
7441 ACGCGCAGAA AAAAAGGATC TCAAGAAGAT CCTTTGATCT TTTCTACGGG GTCTGACGCT
7501 CAGTGAACG AAAACTCACG TTAAGGGATT TTGGTCATGA GATTATCAA AAGGATCTTC
7561 ACCTAGATCC TTTTAAATTA AAAATGAAGT TTTAAATCAA TCTAAAGTAT ATATGAGTAA
7621 ACTTGGTCTG ACAGTTACCA ATGCTTAATC AGTGAGGCAC CTATCTCAGC GATCTGTCTA
7681 TTTTCGTTTTCAT CCATAGTTGC CTGACTCCCC GTCGTGTAGA TAACTACGAT ACGGGAGGGC
7741 TTACCATCTG GCCCCAGTGC TGCAATGATA CCGCGAGACC CACGCTCACC GGCTCCAGAT
7801 TTATCAGCAA TAAACCAGCC AGCCGGAAGG GCCGAGCGCA GAAGTGGTCC TGCAACTTTA
7861 TCCGCCTCCA TCCAGTCTAT TAATTGTTGC CGGGAAGCTA GAGTAAGTAG TTCGCCAGTT
7921 AATAGTTTGC GCAACGTTGT TGCCATTGCT GCAGGCATCG TGGTGTACG CTCGTCGTTT
7981 GGTATGGCTT CATTTCAGCTC CGGTTCCCAA CGATCAAGGC GAGTTACATG ATCCCCATG
8041 TTGTGCAAAA AAGCGGTTAG CTCCTTCGGT CCTCCGATCG TTGTCAGAAG TAAGTTGGCC
8101 GCAGTGTAT CACTCATGGT TATGGCAGCA CTGCATAATT CTCTTACTGT CATGCCATCC
8161 GTAAGATGCT TTTCTGTGAC TGGTGAGTAC TCAACCAAGT CATTCTGAGA ATAGTGTATG
8221 CGGCGACCGA GTTGCTCTTG CCCGGCGTCA ACACGGGATA ATACCGCGCC ACATAGCAGA
8281 ACTTTAAAAG TGCTCATCAT TGGAAAACGT TCTTCGGGGC GAAAACCTCTC AAGGATCTTA
8341 CCGCTGTTGA GATCCAGTTC GATGTAACCC ACTCGTGCAC CCAACTGATC TTCAGCATCT
8401 TTTACTTTCA CCAGCGTTTC TGGGTGAGCA AAAACAGGAA GGCAAAATGC CGCAAAAAG
8461 GGAATAAGGG CGACACGGAA ATGTTGAATA CTCATACTCT TCCTTTTTCA ATATTATTGA
8521 AGCATTATC AGGGTTATTG TCTCATGAGC GGATACATAT TTGAATGTAT TTAGAAAAAT
8581 AAACAAATAG GGGTTCCGCG CACATTTCCC CGAAAAGTGC CACCTGACGT CTAAGAAACC
8641 ATTATTATCA TGACATTAAC CTATAAAAAT AGGCGTATCA CGAGGCCCTT TCGTCTTCAA

Table 13: Sequence of Plasmid pRFP-R (NRC-49944)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGA AAACTA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCCGGTTATG	GTGTTCAATG	CTTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTTATA	AAAACAAATG
541	ATGACGACCT	TCTGTACGTT	CATATTGTTT	AACAATTGTA	TAATCTTCAT	TATGTGATGT
601	AATATCTAAT	TTTGAATCAA	CATAATAATA	ACCTGGTAAT	TGAACTGGTT	TTTTTGCCAT
661	ATAAATTGAT	TTAAATTCAA	CTAAATAATG	ACCACCATCT	TTTAATTTCA	ATGCTTTATG
721	AATTTACCTT	TTTAAAACAC	CATCACGTGG	ATATAAACGT	TCTGTTGATG	GTTCCCAACC
781	CATTGTTTTT	TTTTGCATAA	CTGGACCATC	TGATGGAAAA	TTAACACCAA	TAAATTTAAC
841	TTTATAGATA	AAACAACCAT	CTTGTAATGA	TGAATCTTGT	GTAACGTGTA	CAACACCACC
901	ATCTTCAAAA	TTCATAACAC	GTTCCCATTT	AAAACCTTCA	GGAAATGATA	ATTTCTTATA
961	ATCTGGAATA	TCTGCTGGAT	GTTTAAACATA	AACCTTTTGA	CCATATTGAA	ATTGTGGTGA
1021	TAAAATATCC	CATGCAAATG	GTAATGGACC	ACCTTTTGTG	ACTTTTAAAT	TTGCTGTTTG
1081	TGTACCTTCA	TATGGACGTC	CTTCACCTTC	ACCTTCAATT	TCAAATTCAT	GACCATTAAC
1141	TGAACCTTCC	ATACGAACTT	TAAAACGCAT	AAATTCTTTA	ATAACATCTT	CTGTATTATC
1201	CATATGTTTT	TCCTCCTTAT	AAAGTTAATC	ACCTAGCGCC	ATACCACAGA	TGTTCCAGAT
1261	AAATATTGGA	AGCTATATAC	GTACTTTGTT	TCAAAATGGG	TCAATCGAGA	ATATCGTCAA
1321	CTGTTTACTA	AAAATCAGTT	TCATCAAGCA	ATGAAACACG	CCAAAGTAAA	CAATTTAAGT
1381	ACCGTTACTT	ATGAGCAAGT	ATTGCTATTT	TTTAATAGTT	ATCTATTATT	TAACGGGAGG
1441	AAATAATTCT	ATGAGTCGCT	TTTGTAATTT	TGGAAAGTTA	CACGTTACTA	AAGGGAATGT
1501	AGATAAATTA	TTAGGTATAC	TACTGACAGC	TTCCAAGGAG	CTAAAGAGGT	CCCTAGCGCC
1561	TACGGGGAAT	TTGTATCGAT	AAGGAATAGA	TTTTAAAAAT	TCGCTGTTAT	TTTGTAACAAT
1621	AAGGATAAAT	TTGAATGGTA	CCATAAACGA	CCGTTTATGG	TACCATTTCA	TTTTCTGCT
1681	TTTTCTAAAT	GTTTTTTAAG	TAAATCAAGT	ACCAAAATCC	GTTCTTTTTT	CATAGTTCTT
1741	ATATAGTTAT	ACGCGTCTAG	AGACGTGAC	CTGCAGGCAT	GCAAGCTCTG	ATTTCACTTT
1801	TTGCATTCTA	CAAACATGCAT	AACTCATATG	TAAATCGCTC	CTTTTTAGGT	GGCACAAATG
1861	TGAGGCATTT	TCGCTCTTTC	CGGCGAGGCT	AGTTACCCTT	AAGTTATTGG	TATGACTGGC
1921	TTTTATAATA	TGAGATAATG	CCGACTGTAA	AAAGTACAGT	CGGCATTATC	TCATATTATA
1981	AAAGCCAGTC	ATTAGGCCTA	TCTGACAATT	CCTGAATAGA	GTTTCAAAAC	AATCCTGCAT
2041	GATAACCATC	ACAAACAGAA	TGATGTACCT	GTAAAGATAG	CGGTAAATAT	ATTGAATTAC
2101	CTTTATTAAT	GAATTTTCTT	GCTGTAATAA	TGGGTAGAAG	GTAATTACTA	TTATTATTGA
2161	TATTTAAGTT	AAACCCAGTA	AATGAAGTCC	ATGGAATAAT	AGAAAGAGAA	AAAGCATTTT
2221	CAGGTATAGG	TGTTTTGGGA	AACAATTTCC	CCGAACCATT	ATATTTCTCT	ACATCAGAAA
2281	GGTATAAATC	ATAAACTCTT	TTGAAGTCAT	TCTTTACAGG	AGTCCAAATA	CCAGAGAATG
2341	TTTTAGATAC	ACCATCAAAA	ATTGTATAAA	GTGGCTCTAA	CTTATCCCAA	TAACCTAACT
2401	CTCCGTCGCT	ATTGTAACCA	GTTCTAAAAG	CTGTATTTGA	GTTTATCACC	CTTGCTACTA
2461	AGAAAATAAA	TGCAGGGTAA	AATTTATATC	CTTCTTGTTT	TATGTTTCGG	TATAAAAACAC
2521	TAATATCAAT	TTCTGTGGTT	ATACTAAAAG	TCGTTTGTG	GTTCAAATAA	TGATTAATAA
2581	TCTCTTTTCT	CTTCCAATTG	TCTAAAATCAA	TTTTATTAAA	GTTTCAATTTGA	TATGCCTCCT
2641	AAATTTTTAT	CTAAAGTGAA	TTTAGGAGGC	TTACTTGTCT	GCTTTCTTCA	TTAGAATCAA
2701	TCCTTTTTTA	AAAGTCAATA	TTACTGTAAC	ATAAATATAT	ATTTTAAAAA	TATCCCCTT
2761	TATCCAATTT	TCGTTTGTG	AACTAATGGG	TGCTTTAGTT	GAAGAATAAA	AGACCACATT
2821	AAAAAATGTG	GTCTTTTGTG	TTTTTTTTAAA	GGATTTGAGC	GTAGCGAAAA	ATCCTTTTCT
2881	TTCTTATCTT	GATAATAAGG	GTAACATATT	CCGGGATAGA	CTGTAACATT	CTCACGCATA
2941	AAATCCCCTT	TCATTTTCTA	ATGTAAATCT	ATTACCTTAT	TATTAATTCA	ATTTCGCTCAT
3001	AATTAATCCT	TTTTCTTATT	ACGCAAAATG	GCCCATTGTA	AGCACACCCT	TTATTCCGTT
3061	AATGCGCCAT	GACAGCCATG	ATAATTACTA	ATACTAGGAG	AAGTTAATAA	ATACGGGTGA
3121	TCTAATGATT	CAATGATTCA	AACCCTTGTT	AACCTCTTTA	GAACAAAAGA	GGTTCGTAAC

3181 AAGATTTTCT TCACACTAGC AATGTTAGTA ATTTTTTAAAA TAGGGACTTA TATACCAGCT
 3241 CCAGGAGTAA ATCCTGCAGC TTTTGATAAT CCCCAGGTT CTCAAGGTGC CACTGAGTTA
 3301 TTAAATACTT TTGGTGCGG AGCCTTGAAA CGATTTTCTA TTTTGTCAAT GGGTATTGTA
 3361 CCCTACATCA CTGCATCAAT CGTAATGCAA TTATTACAAA TGGATATTGT CCCTAAATTC
 3421 TCAGAATGGG CAAAACAAGG TGAAGTAGGT AGAAGAAAAGT TAAATAACGT TACTCGTTAT
 3481 TTAGCAATTT CTTTAGCATT TATCCAATCT ATAGGTATGG CATTCCAATT TAATAATTAT
 3541 CTCAAAGGTG CGCTGATTAT CAATCAGTCA ATTATGAGTT ATTTATTAAT AGCACTAGTT
 3601 TTGACAGCAG GAACTGCTTT CTTAATATGG CTTGGTGATC AAATCACTCA GTTCGGTGTT
 3661 GGTAATGGTA TTTCTATTAT CATATTCCCA TCAAGCTTAT TTTAATTATA CTCTATCAAT
 3721 GATAGAGTGT CAATATTTTT TTTAGTTTTT CATGAACTCG ATCGAGGGGA TCCAAATAAA
 3781 AAAGTAGTTT GACAAATAAC TCTATCAATG ATAGAGTGTC AACAAAAAGG AGGAATTAAT
 3841 GATGTCTAGA TTAGATAAAA GTAAAGTGAT TAACAGCGCA TTAGAGCTGC TTAATGAGGT
 3901 CGGAATCGAA GGTTTAACAA CCCGTAAACT CGCCCAGAAG CTAGGTGTAG AGCAGCCTAC
 3961 ATTGATTGGG CATGTAAAAA ATAAGCGGGC TTTGCTCGAC GCCTTAGCCA TTGAGATGTT
 4021 AGATAGGCAC CATACTCACT TTTGCCCTTT AGAAGGGGAA AGCTGGCAAG ATTTTTTACG
 4081 TAATAACGCT AAAAGTTTTA GATGTGCTTT ACTAAGTCAT CGCGATGGAG CAAAAGTACA
 4141 TTTAGGTACA CGGCCTACAG AAAACAGTA TGAACTCTC GAAAATCAAT TAGCCTTTTT
 4201 ATGCCAACAA GGTTTTTTAC TAGAGAATGC ATTATATGCA CTCAGCGCTG TGGGGCATT
 4261 TACTTTAGTT TGCCTATTGG AAGATCAAGA GCATCAAGTC GCTAAAGAAG AAAGGGAAAC
 4321 ACCTACTACT GATAGTATGC CGCCATTATT ACGACAAGT ATCGAATTAT TTGAGCACCA
 4381 AGGTGCAGAG CCAGCCTTCT TATTCGGCCT TGAATTGATC ATATGCGGAT TAGAAAAACA
 4441 ACTTAAATGT GAAAGTGGGT CTTAAAAGCA GCATAACCTT TTTCCGTGAT GGTAACCTCA
 4501 CGGTAACCAA GATAACAAAG AATACAAGAA AATATTTACA AAAAATCAAT TTAACAATTC
 4561 CTTAAAACAT GCAGGAATTG ACGATTTAAA CAATATTAGC TTTGAACAAT TCTTATCTCT
 4621 TTTCAATAGC TATAAATTAT TTAATAAGTA AGTTAAGGGA TGCATAAACT GCATCCCTTA
 4681 ACTTGTTTTT CGTGTGCCTA TTTTTTGTGA ATCGATTGCC GACTGCGCAA AAGACATAAT
 4741 CGATTATGTC TTTTGCAGC TCGGCTTAAA CCAGTTTTTCG CTGGTGCGAA AAAAGAGTGT
 4801 CTTGTGACAC TCTTAAATTC AAAATCTATC GGTGAGATT ATACCGATT GATTTTATAT
 4861 ATTCTTGAAT AACATACGCC GAGTTATCAC ATAAAAGCGG GAACCAATCA TCAAATTTAA
 4921 ACTTCATTGC ATAATCCATT AAACCTTAA ATTCTACGAT TCCTTGTTCA TCAATAAACT
 4981 CAATCATTTT TTTAATTAAT TTATATCTAT CTGTTGTTGT TTTCTTTAAT AATTCATCAA
 5041 CATCTACACC GCCATAAACT ATCATATCTT CTTTTTGATA TTTAAATTTA TTAGGATCGT
 5101 CCATGTGAAG CATATATCTC ACAAGACCTT TCACACTTCC TGCAATCTGC GGAATAGTCG
 5161 CATTCAATTC TTCTGTAATT ATTTTTATCT GTTCATAAGA TTTATTACCC TCATACATCA
 5221 CTAGAATATG ATAATGCTCT TTTTTCATCC TATCTTCTGT ATCAGTATCC CTATCATGTA
 5281 ATGGAGACAC TACAAATTGA ATGTGTAAC CTTTTAAATA CTCTAACCAC TCGGCTTTTG
 5341 CTGATTCTGG ATATAAAACA AATGTCCAAT TACGTCCTCT TGAATTTTTT TTGTTTTTTCAG
 5401 TTTCTTTTAT TACATTTTTC CTCATGATAT AATAACGGTG CTAATACATT TAACAAAATT
 5461 TAGTCATAGA TAGGCAGCAT GCCAGTGCTG TCTATCTTTT TTTGTTTTAAA ATGCACCGTA
 5521 TTCCTCCTTT GCATATTTTT TTATTAGAAT ACCGGTTGCA TCTGATTTGC TAATATTATA
 5581 TTTTCTTTTG ATTCTATTTA ATATCTCATT TTCTTCTGTT GTAAGTCTTA AAGTAACAGC
 5641 AACTTTTTTTC TCTTCTTTTC TATCTACAAC CATCACTGTA CCTCCCAACA TCTGTTTTTT
 5701 TCACTTTAAC ATAAAAACA ACCTTTTAAAC ATTAAAAACC CAATATTTAT TTATTTGTTT
 5761 GGACAATGGA CAATGGACAC CTAGGGGGGA GGTGCTAGTA CCCCCTATG TTTTCTCCCC
 5821 TAAATAACCC CAAAATCTA AGAAAAAAG ACCTCAAAAA GGTCTTTAAT TAACATCTCA
 5881 AATTTTCGCAT TTATTCCAAT TTCCTTTTTG CGTGTGATGC GCTGCGTCCA TTAATAATCC
 5941 TAGAGCTTTG CAACCGAAAG TTAATAGCTG TCGCTACTAC TTTGCTTAC GCTCTAAGTA
 6001 TATTTTAAGG ACTGTCACAC GCAAAAAGTT TTCTCGGCAT AAAAGTACCT CTACATCTCT
 6061 AAATCGTCTG TACGCTGTTT CTCACGCTTT CTATCGACCT TCTGGACATT ATCCTGTACA
 6121 ACATCCATAA ACTGTCCCAC ACGCTCGAAT TTGGAATCAT TAAAGAATTT CTCTTTAAGC
 6181 CTATTAACCC CTTTCTCAAA CCCAGGGAAA TTCGCCCTCG CAGCACGATA TAAAGTCACT
 6241 GACTATCTT GAAATTTCTC TGATACATTC AACTGCTCAT TCAAATATC ATTCTCTCGC
 6301 TTTAATTTAT TAACCTCTTT ACTTTTTTTCG TGATACCCCT CTTTCCATGT ATTCACTACT
 6361 TCTTTCAAAC TCTCTCTACG TTTTTTTAAT TCTTGATTTT CTGTGTAATA GTCTGTGCTC

6421 TTAATATTTT CGTAATCATC AACAAATCCGT TCCTGCCTCG CGCGTTTCGG TGATGACGGT
6481 GAAAACCTCT GACACATGCA GCTCCCGGAG ACGGTCACAG CTTGTCTGTA AGCGGATGCC
6541 GGGAGCAGAC AAGCCCGTCA GGGCGCGTCA GCGGGTGTG GCGGGTGTG GGGCGCAGCC
6601 ATGACCCAGT CACGTAGCGA TAGCGGAGTG TATACTGGCT TAACTATGCG GCATCAGAGC
6661 AGATTGTACT GAGAGTGCAC CATATGCGGT GTGAAATACC GCACAGATGC GTAAGGAGAA
6721 AATACCGCAT CAGGCGCTCT TCCGCTTCCT CGCTCACTGA CTCGCTGCGC TCGGTCGTTC
6781 GGCTGCGGCG AGCGGTATCA GCTCACTCAA AGGCGGTAAT ACGGTTATCC ACAGAATCAG
6841 GGGATAACGC AGGAAAGAAC ATGTGAGCAA AAGGCCAGCA AAAGGCCAGG AACCGTAAAA
6901 AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCC TGACGAGCAT CACAAAAATC
6961 GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA AAGATAACCAG GCGTTTCCCC
7021 CTGGAAGCTC CCTCGTGCGC TCTCCTGTTC CGACCCTGCC GCTTACCGGA TACCTGTCCG
7081 CCTTTCTCCC TTCGGGAAGC GTGGCGCTTT CTCATAGCTC ACGCTGTAGG TATCTCAGTT
7141 CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA ACCCCCCGTT CAGCCCAGCC
7201 GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC GGTAAGACAC GACTTATCGC
7261 CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG GTATGTAGGC GGTGCTACAG
7321 AGTTCTTGAA GTGGTGGCCT AACTACGGCT AACTAGAAG GACAGTATTT GGTATCTGCG
7381 CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG CTCTTGATCC GGCAAAACAAA
7441 CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA GATTACGCGC AGAAAAAAG
7501 GATCTCAAGA AGATCCTTTG ATCTTTTCTA CGGGGTCTGA CGCTCAGTGG AACGAAAAT
7561 CACGTTAAGG GATTTTGGTC ATGAGATTAT CAAAAAGGAT CTTACCTAG ATCCTTTTAA
7621 ATTAATAAATG AAGTTTTAAA TCAATCTAAA GTATATATGA GTAAACTTGG TCTGACAGTT
7681 ACCAATGCTT AATCAGTGAG GCACCTATCT CAGCGATCTG TCTATTTTCGT TCATCCATAG
7741 TTGCTGACT CCCCCTCGTG TAGATAACTA CGATACGGGA GGGCTTACCA TCTGGCCCCA
7801 GTGCTGCAAT GATACCGCGA GACCCACGCT CACCGGCTCC AGATTTATCA GCAATAAACC
7861 AGCCAGCCGG AAGGGCCGAG CGCAGAAGTG GTCCTGCAAC TTTATCCGCC TCCATCCAGT
7921 CTATTAATTG TTGCCGGGAA GCTAGAGTAA GTAGTTCGCC AGTTAATAGT TTGCGCAACG
7981 TTGTTGCCAT TGCTGCAGG ATCGTGGTGT CACGCTCGTC GTTTGGTATG GCTTCATTCA
8041 GCTCCGGTTC CCAACGATCA AGGCGAGTTA CATGATCCCC CATGTTGTGC AAAAAAGCGG
8101 TTAGCTCCTT CGGTCTCCG ATCGTTGTCA GAAGTAAGTT GGCCGAGTG TTATCACTCA
8161 TGGTTATGGC AGCACTGCAT AATTCTCTTA CTGTCATGCC ATCCGTAAGA TGCTTTTCTG
8221 TGACTGGTGA GACTCAACC AAGTCATTCT GAGAATAGTG TATGCGGCGA CCGAGTTGCT
8281 CTTGCCCGGC GTCAACACGG GATAATACCG CGCCACATAG CAGAACTTTA AAAGTGCTCA
8341 TCATTGGAAA ACGTTCTTCG GGGCGAAAAA TCTCAAGGAT CTTACCGCTG TTGAGATCCA
8401 GTTCGATGTA ACCCACTCGT GCACCCAAC GATCTTCAGC ATCTTTTACT TTCACCAGCG
8461 TTTCTGGGTG AGCAAAAAA GGAAGGCAAA ATGCCGAAA AAAGGGAATA AGGGCGACAC
8521 GGAAATGTTG AATACTCATA CTCTTCCTTT TTCAATATTA TTGAAGCATT TATCAGGGTT
8581 ATTGCTCAT GAGCGGATAC ATATTTGAAT GTATTTAGAA AAATAACAA ATAGGGGTTT
8641 CGCGCACATT TCCCCGAAA GTGCCACCTG ACGTCTAAGA AACCATTATT ATCATGACAT
8701 TAACCTATAA AAATAGGCGT ATCACGAGGC CCTTTCGTCT TCAA

Table 14: Sequence of Plasmid pFP650-F (NRC-49945)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGA AAACTA	CCTGTTCCAT	GGCCAACACT	TGTCACTACT
241	TTCCGGTTATG	GTGTTCAATG	C TTTGCGAGA	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTGATT	AACTTTATAA
541	GGAGGAAAAA	CATATGGGTG	AAGATAGTGA	ATTAATTAGT	GAAAAATATG	ACATGAAATT
601	ATATATGGAA	GGTACTGTAA	ATGGTCATCA	TTTTAAATGT	ACTTCAGAAG	GTGAAGGTAA
661	ACCTTATGAA	GGTACACAAA	CTGCAAAAAT	TAAAGTTGTA	GAAGGTGGTC	CATTACCTTT
721	TGCATTTGAT	ATTTTAGCTA	CATCATTTAT	GTATGGTAGT	AAAACATTTA	TTAATCATA
781	TCAAGGTATT	CCAGATTTCT	T TAAACAATC	TTTTCTGAA	GGTTTTACAT	GGGAACGTAT
841	TACAACCTAT	GAAGATGGTG	GTGTTTTAAC	AGCAACTCAA	GATACAAGTT	TACAAAATGG
901	TTGTTTAATT	TATAATGTTA	AAATTAATGG	TGTAAATTTT	CCATCAAATG	GTCCTGTAAT
961	GCAAAAAGAAA	ACATTAGGTT	GGGAAGCAAG	TACTGAAATG	TTATATCCAG	CTGATTCTGG
1021	TTTACGTGGT	CATTACACAAA	TGGCTTTAAA	ATTAGTTGGT	GGTGGTTATT	TACATTGTAG
1081	TTTAAAAACA	ACTTATAGAT	CTAAAAAACC	AGCAAAAAAT	TTAAAAATGC	CTGGTTTTTA
1141	TTTTGTTGAT	CGTAAATTAG	AAAGAATTAA	AGAAGCTGAT	AAAGAAACTT	ATGTTGAACA
1201	ACATGAAATG	GCTGTAGCTC	GTTATTGTGA	TTTACCATCA	AAATTAGGTC	ATAGTTAACC
1261	TAGCGCCATA	CCACAGATGT	TCCAGATAAA	TATTGGAAGC	TATATACGTA	C TTTGTTTCA
1321	AAATGGGTCA	ATCGAGAATA	TCGTCAACTG	TTTACTAAAA	ATCAGTTTCA	TCAAGCAATG
1381	AAACACGCCA	AAGTAAACAA	TTTAAAGTACC	GTTACTTATG	AGCAAGTATT	GTCTATTTTT
1441	AATAGTTATC	TATTATTTAA	CGGGAGGAAA	TAAATCTATG	AGTCGCTTTT	G TAAATTTGG
1501	AAAGTTACAC	GTTACTAAAG	GGAATGTAGA	TAAATTATTA	GGTATACTAC	TGACAGCTTC
1561	CAAGGAGCTA	AAGAGGTCCC	TAGCGCCTAC	GGGGAATTTG	TATCGATAAG	GAATAGATTT
1621	AAAAATTTTCG	CTGTTATTTT	GTACAATAAG	GATAAAATTTG	AATGGTACCA	TAAACGACCG
1681	TTTATGGTAC	CATTTTCATTT	TCCTGCTTTT	TCTAAATGTT	TTTTAAGTAA	ATCAAGTACC
1741	AAAATCCGTT	CCTTTTTTCAT	AGTTCCCTATA	TAGTTATACG	CGTCTAGAGA	CGTCGACCTG
1801	CAGGCATGCA	AGCTCTGATT	TCACTTTTTG	CATTCTACAA	ACTGCATAAC	TCATATGTAA
1861	ATCGCTCCTT	TTTAGGTGGC	ACAAATGTGA	GGCATTTCG	CTCTTTCCGG	CGAGGCTAGT
1921	TACCCTTAAG	TTATTGGTAT	GACTGGCTTT	TATAATATGA	GATAATGCCG	ACTGTAAAAA
1981	GTACAGTCGG	CATTATCTCA	TATTATAAAA	GCCAGTCATT	AGGCCTATCT	GACAATTCCT
2041	GAATAGAGTT	CATAAACAAAT	CCTGCATGAT	AACCATCACA	AACAGAATGA	TGTACCTGTA
2101	AAGATAGCGG	TAAATATATT	GAATTACCTT	TATTAATGAA	TTTTCTGCT	GTAATAATGG
2161	GTAGAAGGTA	ATTACTATTA	TTATTGATAT	TTAAGTTAAA	CCCAGTAAAT	GAAGTCCATG
2221	GAATAATAGA	AAGAGAAAAA	GCATTTTCAG	GTATAGGTGT	TTTGGGAAAC	AATTTCCCCG
2281	AACCATTATA	TTTCTCTACA	TCAGAAAGGT	ATAAATCATA	AAACTCTTTG	AAGTCATTCT
2341	TTACAGGAGT	CCAAATACCA	GAGAATGTTT	TAGATACACC	ATCAAAAATT	GTATAAAGTG
2401	GCTCTAACTT	ATCCCAATAA	CCTAACTCTC	CGTCGCTATT	GTAACCAGTT	CTAAAAGCTG
2461	TATTTGAGTT	TATCACCTTT	GTCACTAAGA	AAATAAATGC	AGGGTAAAAT	TTATATCCTT
2521	CTTGTTTTAT	GTTTCGGTAT	AAAACACTAA	TATCAATTTT	TGTGGTTATA	CTAAAAGCTG
2581	TTTGTTGGTT	CAAATAATGA	TTAAATATCT	C TTTTCTCTT	CCAATTGTCT	AAATCAATTT
2641	TATTAAGGTT	CATTTGATAT	GCCTCCTAAA	TTTTTATCTA	AAGTGAATTT	AGGAGGCTTA
2701	CTTGCTGCT	TTCTTCATTA	GAATCAATCC	TTTTTTAAAA	GTCAATATTA	CTGTAACATA
2761	AATATATATT	TTAAAAATAT	CCCCTTTTAT	CCAATTTTCG	TTTGGTTGAA	TAATGGGTGC
2821	TTTAGTTGAA	GAATAAAAGA	CCACATTAAA	AAATGTGGTC	TTTTGTGTTT	TTTTAAAGGA
2881	TTTGAGCGTA	GCGAAAAATC	C TTTTCTTTT	TTATCTTGAT	AATAAGGGTA	ACTATTGCCG
2941	GGATAGACTG	TAACATTCTC	ACGCATAAAA	TCCCCTTTCA	TTTTCTAATG	TAAATCTATT
3001	ACCTTATTAT	TAATTCAATT	CGCTCATAAT	TAATCCTTTT	TCTTATTACG	CAAAATGGCC
3061	CGATTTAAGC	ACACCCTTTA	TTCCGTTAAT	GCGCCATGAC	AGCCATGATA	ATTACTAATA
3121	CTAGGAGAAG	TTAATAAATA	CGGGTGATCT	AATGATTCAA	TGATTCAAAC	CCTTGTGAAC

3181 TTCTTTAGAA CAAAAGAGGT TCGTAACAAG ATTTTCTTCA CACTAGCAAT GTTAGTAATT
 3241 TTTAAAATAG GGACTIONATAT ACCAGCTCCA GGAGTAAATC CTGCAGCTTT TGATAATCCC
 3301 CAAGGTTCTC AAGGTGCCAC TGAGTTATTA AATACTTTTG GTGGCGGAGC CTTGAAACGA
 3361 TTTTCTATTT TTGCAATGGG TATTGTACCC TACATCACTG CATCAATCGT AATGCAATTA
 3421 TTACAAATGG ATATTGTCCC TAAATTCTCA GAATGGGCAA AACCAAGGTGA AGTAGGTAGA
 3481 AGAAAAGTTAA ATAACGTTAC TCGTTATTTA GCAATTTCTT TAGCATTTAT CCAATCTATA
 3541 GGTATGGCAT TCCAATTTAA TAATTATCTC AAAGGTGCGC TGATTATCAA TCAGTCAATT
 3601 ATGAGTTATT TATTAATAGC ACTAGTTTTG ACAGCAGGAA CTGCTTTCTT AATATGGCTT
 3661 GGTGATCAAA TCACTCAGTT CGGTGTGGT AATGGTATTT CTATTATCAT ATTCCCATCA
 3721 AGCTTATTTT AATTATACTC TATCAATGAT AGAGTGTCAA TATTTTTTTT AGTTTTTCAT
 3781 GAACGATC GAGGGGATCC AAATAAAAAA CTAGTTTGAC AAATAACTCT ATCAATGATA
 3841 GAGTGTCAAC AAAAAGGAGG AATTAATGAT GTCTAGATTA GATAAAAGTA AAGTGATTAA
 3901 CAGCGCATT A GAGCTGCTTA ATGAGGTCGG AATCGAAGGT TTAACAACCC GTAAACTCGC
 3961 CCAGAAGCTA GGTGTAGAGC AGCCTACATT GTATTGGCAT GTAAAAAATA AGCGGGCTTT
 4021 GCTCGACGCC TTAGCCATTG AGATGTTAGA TAGGCACCAT ACTCACTTTT GCCCTTTAGA
 4081 AGGGGAAAGC TGGCAAGATT TTTTACGTAA TAACGCTAAA AGTTTTAGAT GTGCTTTACT
 4141 AAGTCATCGC GATGGAGCAA AAGTACATTT AGGTACACGG CCTACAGAAA AACAGTATGA
 4201 AACTCTCGAA AATCAATTAG CCTTTTTATG CCAACAAGGT TTTTCACTAG AGAATGCATT
 4261 ATATGCACTC AGCGCTGTGG GGCATTTTAC TTTAGGTTGC GTATTGGAAG ATCAAGAGCA
 4321 TCAAGTCGTC AAAGAAGAAA GGGAAACACC TACTACTGAT AGTATGCCG CATTATTACG
 4381 ACAAGCTATC GAATTATTTG ATCACCAAGG TGCAGAGCCA GCCTTCTTAT TCGGCCCTGA
 4441 ATTGATCATA TGCGGATTAG AAAACAACCT TAAATGTGAA AGTGGGTCTT AAAAGCAGCA
 4501 TAACCTTTTT CCGTGATGGT AACTTCACGG TAACCAAGAT AACAAAGAAT ACAAGAAAAT
 4561 ATTTACAAAA AATCAATTTA ACAATTCCTT AAAACATGCA GGAATTGACG ATTTAAACAA
 4621 TATTAGCTTT GAACAATTCT TATCTCTTTT CAATAGCTAT AAATTATTTA ATAAGTAAGT
 4681 TAAGGGATGC ATAAACTGCA TCCCTTAACT TGTTTTTCGT GTGCCTATTT TTTGTGAATC
 4741 GATTGCCGAC TGCGCAAAAG ACATAATCGA TTATGTCTTT TGCGCAGTCG GCTTAAACCA
 4801 GTTTTCGCTG GTGCGAAAAA AGAGTGTCTT GTGACACTCT TAAATTCAA ATCTATCGGT
 4861 CAGATTTATA CCGATTTGAT TTTATATATT CTTGAATAAC ATACGCCGAG TTATCACATA
 4921 AAAGCGGGAA CCAATCATCA AATTTAAACT TCATTGCATA ATCCATTAAA CTCTTAAATT
 4981 CTACGATTC TTGTTTCATCA ATAAACTCAA TCATTTCTTT AATTAATTTA TATCTATCTG
 5041 TTGTTGTTTT CTTTAATAAT TCATCAACAT CTACACCGCC ATAAACTATC ATATCTTCTT
 5101 TTTGATATTT AAATTTATTA GGATCGTCCA TGTGAAGCAT ATATCTCACA AGACCTTTCA
 5161 CACTTCTGTC AATCTGCGGA ATAGTCGCAT TCAATTCTTC TGTAATTATT TTTATCTGTT
 5221 CATAAGATTT ATTACCCTCA TACATCACTA GAATATGATA ATGCTCTTTT TTCATCCTAT
 5281 CTTCTGTATC AGTATCCCTA TCATGTAATG GAGACACTAC AAATTGAATG TGTAACCTCT
 5341 TTAAATACTC TAACCACTCG GCTTTTGCTG ATTCTGGATA TAAAACAAAT GTCCAATTAC
 5401 GTCCTCTTGA ATTTTCTTGA TTTTTCAGTT CTTTTATTAC ATTTTCGCTC ATGATATAAT
 5461 AACGGTGCTA ATACATTTAA CAAAATTTAG TCATAGATAG GCAGCATGCC AGTGCTGTCT
 5521 ATCTTTTTTT GTTTAAAATG CACCGTATTC CTCTTTGCA TATTTTTTTA TTAGAATACC
 5581 GGTTGCATCT GATTTGCTAA TATTATATTT TTCTTTGATT CTATTTAATA TCTCATTTTC
 5641 TTCTGTTGTA AGTCTTAAAG TAACAGCAAC TTTTTTCTCT TCTTTTCTAT CTACAACCAT
 5701 CACTGTACCT CCAACATCT GTTTTTTTCA CTTTAAACATA AAAACAACC TTTTAAACATT
 5761 AAAAACCCAA TATTTATTTA TTTGTTTGGA CAATGGACAA TGGACACCTA GGGGGGAGGT
 5821 CGTAGTACCC CCCTATGTTT TCTCCCCTAA ATAACCCCAA AAATCTAAGA AAAAAGACC
 5881 TCAAAAAGGT CTTTAAATTAA CATCTCAAAT TTCGCATTTA TTCCAATTTT CTTTTTGCGT
 5941 GTGATGCGCT GCGTCCATTA AAAATCCTAG AGCTTTGCAA CCGAAAGTTA ATAGCTGTG
 6001 CTACTACTTT CGCTTACGCT CTAAGTATAT TTTAAGGACT GTCACACGCA AAAAGTTTTT
 6061 TCGGCATAAA AGTACCTCTA CATCTCTAAA TCGTCTGTAC GCTGTTTCTC ACGCTTTCTA
 6121 TCGACCTTCT GGACATTATC CTGTACAACA TCCATAAACT GTCCCACACG CTCGAATTTG
 6181 GAATCATTTAA AGAATTTCTC TTTAAGCCTA TTAACCCCTT TCTCAAACCC AGGGAAATTC
 6241 GCCCTCGCAG CACGATATAA AGTCACTGTA CTATCTTGAA ATTTCTCTGA TACATTCAAC
 6301 TGCTCATTCA AACTATCATT CTCTCGCTTT AATTTATTTA CCTCTTACT TTTTTCGTGA
 6361 TACCCCTCTT TCCATGTATT CACTACTTCT TTCAAACCTCT CTCTACGTTT TTTTAAATTC

6421 TGATTTTCTG TGTAATAGTC TGTGCTCTTA ATATTTTTCGT AATCATCAAC AATCCGTTCC
6481 TGCCTCGCGC GTTTCGGTGA TGACGGTGAA AACCTCTGAC ACATGCAGCT CCCGGAGACG
6541 GTCACAGCTT GTCTGTAAGC GGATGCCGGG AGCAGACAAG CCCGTCAGGG CGCGTCAGCG
6601 GGTGTTGGCG GGTGTCGGGG CGCAGCCATG ACCCAGTCAC GTAGCGATAG CGGAGTGTAT
6661 ACTGGCTTAA CTATGCGGCA TCAGAGCAGA TTGTACTGAG AGTGCACCAT ATGCGGTGTG
6721 AAATACCGCA CAGATGCGTA AGGAGAAAAAT ACCGCATCAG GCGCTCTTCC GCTTCTCGC
6781 TCACTGACTC GCTGCGCTCG GTCGTTCCGGC TCGCGCGAGC GGTATCAGCT CACTCAAAGG
6841 CGGTAATACG GTTATCCACA GAATCAGGGG ATAACGCAGG AAAGAACATG TGAGCAAAAG
6901 GCCAGCAAAA GGCCAGGAAC CGTAAAAAGG CCGCGTTGCT GCGGTTTTTTC CATAGGCTCC
6961 GCCCCCTGA CGAGCATCAC AAAAATCGAC GCTCAAGTCA GAGGTGGCGA AACCCGACAG
7021 GACTATAAAG ATACCAGGCG TTTCCCCCTG GAAGCTCCCT CGTGCCTCTT CCTGTTCCGA
7081 CCCTGCCGCT TACCGGATAC CTGTCCGCTT TTCTCCCTTC GGGAAAGCGTG GCGCTTTCTC
7141 ATAGCTCACG CTGTAGGTAT CTCAGTTCGG TGTAGGTCGT TCGCTCCAAG CTGGGCTGTG
7201 TGCACGAACC CCCCCTTCCAG CCCGACCGCT GCGCCTTATC CCGTAACATAT CGTCTTGAGT
7261 CCAACCCGGT AAGACACGAC TTATCGCCAC TGGCAGCAGC CACTGGTAAC AGGATTAGCA
7321 GAGCGAGGTA TGTAGGCGGT GCTACAGAGT TCTTGAAGTG GTGGCCTAAC TACGGCTACA
7381 CTAGAAGGAC AGTATTTGGT ATCTGCGCTC TGCTGAAGCC AGTTACCTTC GGAAAAAGAG
7441 TTGGTAGCTC TTGATCCGGC AAACAAACCA CCGCTGGTAG CCGTGGTTTTT TTTGTTTGCA
7501 AGCAGCAGAT TACGCGCAGA AAAAAAGGAT CTCAAGAAGA TCCTTTGATC TTTTCTACGG
7561 GGTCTGACGC TCAGTGAAC GAAAACCTAC GTTAAGGGAT TTTGGTCATG AGATTACAA
7621 AAAGGATCTT CACCTAGATC CTTTTAAATT AAAAAATGAAG TTTTAAATCA ATCTAAAGTA
7681 TATATGAGTA AACTTGGTCT GACAGTTACC AATGCTTAAT CAGTGAGGCA CCTATCTCAG
7741 CGATCTGTCT ATTTTCGTTCA TCCATAGTTG CCTGACTCCC CGTCGTGTAG ATAACTACGA
7801 TACGGGAGGG CTTACCATCT GGCCCCAGTG CTGCAATGAT ACCGCGAGAC CCACGCTCAC
7861 CGGCTCCAGA TTTATCAGCA ATAAACCAGC CAGCCGGAAG GGCCGAGCGC AGAAGTGGTC
7921 CTGCAACTTT ATCCGCCTCC ATCCAGTCTA TTAATTGTTG CCGGGAAGCT AGAGTAAGTA
7981 GTTCGCCAGT TAATAGTTTG CGCAACGTTG TTGCCATTGC TGCAGGCATC GTGGTGTAC
8041 GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATCAAGG CGAGTTACAT
8101 GATCCCCCAT GTTGTGCAAA AAAGCGGTTA GCTCCTTCGG TCCTCCGATC GTTGTACAGAA
8161 GTAAGTTGGC CGCAGTGTTA TCACTCATGG TTATGGCAGC ACTGCATAAT TCTCTTACTG
8221 TCATGCCATC CGTAAGATGC TTTTCTGTGA CTGGTGAGTA CTCAACCAAG TCATTCTGAG
8281 AATAGTGTAT GCGGCGACCG AGTTGCTCTT GCCCGGCGTC AACACGGGAT AATACCGCGC
8341 CACATAGCAG AACTTTAAAA GTGCTCATCA TTGGAAAACG TTCTTCGGGG CGAAAACTCT
8401 CAAGGATCTT ACCGCTGTTG AGATCCAGTT CGATGTAACC CACTCGTGCA CCAACTGAT
8461 CTTCAGCATC TTTTACTTTC ACCAGCGTTT CTGGGTGAGC AAAAACAGGA AGGCAAAATG
8521 CCGCAAAAAA GGAATAAAGG GCGACACGGA AATGTTGAAT ACTCATACTC TTCCTTTTTT
8581 AATATTATTG AAGCATTAT CAGGGTTATT GTCTCATGAG CGGATACATA TTTGAATGTA
8641 TTTAGAAAAA TAAACAAATA GGGGTTCCGC GCACATTTCC CCGAAAAGTG CCACCTGACG
8701 TCTAAGAAAC CATTATTATC ATGACATTAA CCTATAAAAA TAGGCGTATC ACGAGGCCCT
8761 TTCGTCTTCA A

Table 15: Sequence of Plasmid pFP650-R (NRC-49946)

1	GAATTCTCTC	TAGACACATA	GATGGCGTCG	CGGCGCGCCG	GAGATATACA	TATGAGTAAA
61	GGAGAAGAAC	TTTTCACTGG	AGTTGTCCCA	ATTCTTGTTG	AATTAGATGG	TGATGTTAAT
121	GGGCACAAAT	TTTCTGTCAG	TGGAGAGGGT	GAAGGTGATG	CAACATACGG	AAAACCTACC
181	CTTAAATTTA	TTTGCACACT	TGGAAAACATA	CCTGTTCCAT	GGCCAACACT	TGTCACACT
241	TTCGGTTATG	GTGTTCAATG	CTTTGCAGAG	TACCCAGATC	ATATGAAACA	GCATGACTTT
301	TTCAAGAGTG	CCATGCCCGA	AGGTTATGTA	CAGGAAAGAA	CTATATTTTT	CAAAGATGAC
361	GGGAACACTA	AGACACGTGC	TGAAGTCAAG	TTTGAAGGTG	ATACCCTTGT	TAATAGAATC
421	GAGTTAAAAG	GTATTGATTT	TAAAGAAGAT	GGAAACATTC	TTGGACACAA	ATTGGAATAC
481	AACTATAACT	CACACAATGT	ATACATCATG	GCAGGCTAAG	CTAGGTTAAC	TATGACCTAA
541	TTTTGATGGT	AAATCACAAT	AACGAGCTAC	AGCCATTTCA	TGTTGTTCAA	CATAAGTTTC
601	TTTATCAGCT	TCTTTAATTC	TTTCTAATTT	ACGATCAACA	AAATAAAAAAC	CAGGCATTTT
661	TAAATTTTTT	GCTGGTTTTT	TAGATCTATA	AGTTGTTTTT	AAACTACAAT	GTAAATAACC
721	ACCACCAACT	AATTTTAAAG	CCATTTGTGA	ATGACCACGT	AAACCAGAAT	CAGCTGGATA
781	TAACATTTCA	GTACTIONT	CCCAACCTAA	TGTTTTCTTT	TGCATTACAG	GACCATTTGA
841	TGGAAAATTT	ACACCATTAA	TTTTAACATT	ATAAATTTAA	CAACCATTTT	GTAAACTTGT
901	ATCTTGAGTT	GCTGTTAAAA	CACCACCATC	TTCATAAGTT	GTAATACGTT	CCCATGTAAA
961	ACCTTCAGGA	AAAGATTGTT	TAAAGAAATC	TGGAATACCT	TGAGTATGAT	TAATAAATGT
1021	TTTACTACCA	TACATAAATG	ATGTAGCTAA	AATATCAAAT	GCAAAAAGGTA	ATGGACCACC
1081	TTCTACAAC	TTAATTTTTG	CAGTTTGTGT	ACCTTCATAA	GGTTTACCTT	CACCTTCTGA
1141	AGTACATTTA	AAATGATGAC	CATTTACAGT	ACCTTCATAA	TATAATTTCA	TGTGCATATT
1201	TTCACATAAT	AATTCACACT	CATTCACCCAT	ATGTTTTTCC	TCCTTATAAA	GTTAATCACC
1261	TAGCGCCATA	CCACAGATGT	TCCAGATAAA	TATTGGAAGC	TATATACGTA	CTTTGTTTCA
1321	AAATGGGTCA	ATCGAGAATA	TCGTCAACTG	TTTACTAAAA	ATCAGTTTCA	TCAAGCAATG
1381	AAACACGCCA	AAGTAAACAA	TTTAAGTACC	GTTACTTATG	AGCAAGTATT	GTCTATTTTT
1441	AATAGTTATC	TATTATTTAA	CGGGAGGAAA	TAAATCTATG	AGTCGCTTTT	GTAATTTTGG
1501	AAAGTTACAC	GTTACTAAAG	GGAATGTAGA	TAAATTTATTA	GGTATACTAC	TGACAGCTTC
1561	CAAGGAGCTA	AAGAGGTCCC	TAGCGCCTAC	GGGGAATTTG	TATCGATAAG	GAATAGATTT
1621	AAAAATTTTC	CTGTTATTTT	GTACAATAAG	GATAAATTTG	AATGGTACCA	TAAACGACCG
1681	TTTATGGTAC	CATTTTCAAT	TCCTGCTTTT	TCTAAATGTT	TTTTAAGTAA	ATCAAGTACC
1741	AAAATCCGTT	CCTTTTTTCAT	AGTTTCTATA	TAGTTATACG	CGTCTAGAGA	CGTCGACCTG
1801	CAGGCATGCA	AGCTCTGATT	TCACTTTTTG	CATTCTACAA	ACTGCATAAC	TCATATGTAA
1861	ATCGCTCCTT	TTTAGGTGGC	ACAAATGTGA	GGCATTTCG	CTCTTTCCGG	CGAGGCTAGT
1921	TACCCTTAAG	TTATTGGTAT	GACTGGCTTT	TAANNNNNNN	NNNNNNNNNN	NNNNNNNNNN
1981	NNNNNNNNNN	NNNNNNNNNN	NCCGACTGTA	AAAAGTACAG	TCGGCATTAT	CTCATATTAT
2041	AAAAGCCAGT	CATTAGGCCT	ATCTGACAAT	TCCTGAATAG	AGTTCATAAA	CAATCCTGCA
2101	TGATAACCAT	CACAAACAGA	ATGATGTACC	TGTAAAGATA	GCGGTAAATA	TATTGAATTA
2161	CCTTTATTAA	TGAATTTTCC	TGCTGTAATA	ATGGGTAGAA	GGTAATTACT	ATTATTATTG
2221	ATATTTAAGT	TAAACCCAGT	AAATGAAGTC	CATGGAATAA	TAGAAAGAGA	AAAAGCATTT
2281	TCAGGTATAG	GTGTTTTGGG	AAACAATTTT	CCCGAACCAT	TATATTTCTC	TACATCAGAA
2341	AGGTATAAAT	CATAAACTC	TTTGAAGTCA	TTCTTTACAG	GAGTCCAAAT	ACCAGAGAAT
2401	GTTTTAGATA	CACCATCAA	AATTGTATAA	AGTGGCTCTA	ACTTATCCCA	ATAACCTAAC
2461	TCTCCGTCGC	TATTGTAACC	AGTTCTAAAA	GCTGTATTTG	AGTTTATCAC	CCTTGTCACT
2521	AAGAAAATAA	ATGCAGGGTA	AAATTTATAT	CCTTCTTGTT	TTATGTTTCG	GTATAAAACA
2581	CTAATATCAA	TTTCTGTGGT	TATACTAAAA	GTCGTTTGTT	GGTTCAAATA	ATGATTAAT
2641	ATCTCTTTTC	TCTTCCAATT	GTCTAAATCA	ATTTTATTAA	AGTTCATTTG	ATATGCCTCC
2701	TAAATTTTTA	TCTAAAGTGA	ATTTAGGAGG	CTTACTTGTC	TGCTTTCTTC	ATTAGAATCA
2761	ATCCTTTTTT	AAAAGTCAAT	ATTACTGTAA	CATAAATATA	TATTTTAAAA	ATATCCCACT
2821	TTATCCAATT	TTCGTTTGTT	GAACTAATGG	GTGCTTTAGT	TGAAGAATAA	AAGACCACAT
2881	TAAAAAATGT	GGTCTTTTGT	GTTTTTTTAA	AGGATTTGAG	CGTAGCGAAA	AATCCTTTTC
2941	TTTCTTATCT	TGATAATAAG	GGTAACTATT	GCCGGGATAG	ACTGTAACAT	TCTCACGCAT
3001	AAAATCCCTT	TTCATTTTCT	AATGTAAATC	TATTACCTTA	TTATTAATTC	AATTCGCTCA
3061	TAATTAATCC	TTTTTCTTAT	TACGCAAAAT	GGCCCGATTT	AAGCACACCC	TTTATTCCGT
3121	TAATGCGCCA	TGACAGCCAT	GATAATTACT	AATACTAGGA	GAAGTTAATA	AATACGGGTG

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3481 CTCAGAATGG GCAAAAACAAG GTGAAGTAGG TAGAAGAAAAG TTAAATAACG TTACTCGTTA
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