

SUPPLEMENTARY FILE

Supplementary File 1. The sequence of pmirGLO plasmid.

1 catgcaagct gatccggctg ctaacaaagc ccgaaaggaa gctgagttgg ctgctgccac
61 cgctgagcaa taactagcat aacccttgg ggcgccgct tcgagcgac atgataagat
121 acattgatga gtttgacaa accacaacta gaatcagtg aaaaaaatgc tttatttg
181 aaattgtga tgctattgct ttattgtaa ccattataag ctgcaataaa caagtaaca
241 acaacaatg cactattt atgttcagg ttcaggggga gatgtgggag gttttitaa
301 gcaagtaaaa cctctacaaa tgggtaaaa tgaatttta acaaatatt aacgcttaca
361 atttctgat gcggtatttt ctcttacgc atctgtcggg tatttcacac cgcatacgcg
421 gatctgcgca gcaccatggc ctgaaataac ctctgaaga ggaacttgg taggtacctt
481 ctgaggggga aagaaccagc tgtggaatgt gtgtcagtta gggtgtgga agtccccagg
541 ctccccaga ggcagaagta tgcagaagc gcactcaat tagtcagcaa ccagggtggt
601 aaagtccccca ggtccccag caggcagaag tatgcaaagc atgcatctca attagtcagc
661 aaccatagtc ccgccctaa ctccgccat ccgcccta actccgcca gttccgcca
721 ttctccgcc catggctgac taatttttt tatttatgca gaggccgagg ccgctcggc
781 ctctgagcta ttccagaagt agtgaggagg ctttttggg ggcctaggct tttcaaaaa
841 gcttgattct tctgacaaa cagtctgaa ccaaggctg gagccacat ggcctcaag
901 gtgtacgacc ccgacaagc caaacgcatg atcactggc ctcagtggg ggctcgtgc
961 aagcaatga acgtgctgga ctcttcate aactactatg attccgagaa gcacggag
1021 aacgccgtga ttttctgca tggtaacgt gcctccagct acctgtggag gcacgtctg
1081 cctcacatgc agcccgggc tagatgcat atccctgac tgcaggat gggttaagtc
1141 ggcaagagcg ggaatggctc atatgcctc ctggatcact acaagtact caccgcttg
1201 ttgagctgc tgaacctcc aaagaaatc atctttggt gccacgactg gggggctgt
1261 ctggccttc actactca cgagcacca gacaagatca agccatcgt ccattgctgag
1321 agtctctgg acgtgctga gtctgggac gctggcctg acatcgagga ggatctgac
1381 ctgatcaaga gcgaagagg cgagaaaatg gtgctgaga ataactctt cgtcagacc
1441 atgtcccaa gcaagatcat gcgaaactg gagcctgagg agttcgtct ctactggag
1501 ccattcaagg agaagggcga ggttagacgg cctaccctc cctggcctc cgagatcct
1561 ctcttaagg gaggaagcc cgacgtctc cagattgct gcaactaca cgctacct
1621 cgggccagc acgatctgcc taagatgct atcagatcc accctgggt cttttcaac
1681 gctattgct agggagctaa gaagtccct aacaccgagt tctgaaggt gaaggcctc
1741 cacttcagcc agggagcgc tccagatga atgggtaagt acatcaagag ctctgtggg
1801 cgcgtctga agaacgagc gaccggtgt gggagcggg gtggcggatc aggtggcgg
1861 ggctccggg ggaatgaaca agatggatt cagcaggtt ctccggccgc ttgggtggg
1921 aggtatctg gctatgact ggcacaacag acaatcggt gctctgac gcctgtct
1981 cggctgctg cgcagggggc cccggtctt ttgtcaaga ccgactgct cggtccctg
2041 aatgaactgc aggacgagc agcgcggta tctgtgctg ccacgacgg cgttctctg
2101 cgacgtgct cgacgtgt cactgaagc ggaaggact ggctgctat gggcgaagt
2161 ccggggcagg atctctgct atctacct gctctgccg agaaagtat catcatggt
2221 gatcaatgc ggcggctgca tacgttgat ccggctact cccattcga ccaccaagc
2281 aaacatgca tgcagcagc agtactcgg atggaagcc gtctgtgca tcaggatgat
2341 ctggacgaag agcatcagg gctcgcgca gccgaactg tccagagct caagcgcgc
2401 atgcccagc gcagagatc cgtctgacc catggcgtg cctgcttgc gaatcatg
2461 tgggaaaatg gccgcttct tggattcact gactgtggc ggctgggtg ggcggaccg
2521 tatcaggaca tagcgttgc taccctgat attgctgag agctggcgg cgaatgggt
2581 gaccgtccc tegtcttta cggatcgc gctccgatt cgcagcgc atcctctat
2641 cgctcttct acgattctt ctgagcggg ctctggggt cgaatgacc gaccaagca
2701 cgcccaact ccacacga tggcccaat aaaatatct tatttctt acatctgt
2761 gttggtttt tgtgtaac gatagcga agatcctt ttgcgttgc gtttccct
2821 gtcagatag ccagtagct gacattcact cggggtcagc accgttctg cggactggct
2881 ttctactgaa tggtttcta gacgtcaggt ggcactttc ggggaaatg gcgcggaacc
2941 cctattgtt tattttcta aatacttca aatatgac cgtcatgag acaataacc
3001 tgataaatg tcaataata ttgaaaagg aagagtatga gtattcaaca ttccgtgct
3061 gcccttatt cttttttgc gccatttgc ctctctgt ttgctcacc agaaacgct
3121 gtgaaaataa aagatcctga agatcagtt ggtgcacgag tgggttacc cgaatggat
3181 ctcaacagc gtaagatct tgagattt cgccccgaag aacgtttcc aatgatgagc
3241 acttcaag ttctgctat tggcgcgta ttatccgta ttgacccgg gcaagagcaa
3301 ctggctgcc gcatacacta ttctagaat gacttgggt agtactcacc agtcacagaa
3361 aagcatctta cggatggcat gacagtaaga gaattatgca gtgctgcat aaccatgat
3421 gataacactg cggcaactt actctgaca actatcgag gaccgaagga gtaaccgct
3481 ttttgaca acatggggga tcatgtaact cgcttgatc gttgggaacc ggagctgaa
3541 gaagccatac caaacgacg gcgtgacac acgatgctg tagcaatggc aacaagttg
3601 cgcaaaacta taactggcg actacttact ctacttccc ggcaacaatt aatagactgg
3661 atggaggcgg ataaagtgc aggaccact ctgcgctcgg ccctccggc ttgctgggt
3721 attgctgata aatctggagc cgtgagcgt ggtctcgcg gtatcattg agcactggg

3781 ccagatggtg agccctcccg tategtagtt atctacacga cggggagtgca ggcaactatg
3841 gatgaacgaa atagacagat cgctgagata ggtgccfcac tgattaagca ttgtaattc
3901 gaaatgaccg accaagcgcac gcccaaccgg taccagctca ctcaaaggcg gtaatacggg
3961 tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg
4021 ccaggaaccg taaaaggccg gcgttgctgg cgtttttcca taggtccgcg cccccgacg
4081 agcatcaca aatcgcacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat
4141 accaggcgtt tccccctgga agtccctcg tgcgcttccc tgttccgacc ctgccgctta
4201 ccggatacct gtccgcttt ctcccttcgg gaagcgtggc gctttcicat agctcacgct
4261 gtaggtatct cagttcggtg taggtcgttc gctccaagct gggctgtgtg cacgaacccc
4321 ccgttcagcc cgaccgctgc gccttatccg gtaactatcg tcttgagtc aacccggtaa
4381 gacacgactt atcggcactg gcagcagcca ctgtaaacag gattagcaga gcgaggtatg
4441 taggcggtgc tacagagttc ttgaagtggg ggcctaacta cggctacact agaaggacag
4501 tatttggtat ctgcgctctg ctgaagccag ttacctcgg aaaaagagtt ggtagctctt
4561 gatccggcaa acaaacacc gcfggtagcg gtggttttt ttgttgaag cagcagatta
4621 cgcgcagaaa aaaaggattt caagaagatc ctttgatctt ttctacgggg tctgacgctc
4681 agtggaacga aaactcactg taagggattt tggatcatg altatcaaaa aggatctca
4741 cctagatcct ttatagtc ggaatacag gaacgcacgc tggatggccc ttcgctggga
4801 ttgtgaaacc atgaaaatg gcagctcag tggattaagt gggggtaatg tggcctgtac
4861 cctctggtg cataggtatt catacgtta aaattatca ggccgctg cggcagttt
4921 tcgggtggtt tgttgcatt ttacctgct tctgcccgtg atcgcgctga acgctttta
4981 gcggtgcgta caattaaggg attatggtaa atccactac tcttgcct ctgagccatc
5041 gagataaac gcagtactcc gcccacgatg cgtccggcgt agaggatcga gatctaccgg
5101 gtaggggagg cgctttccc aaggcagctt ggagatcgc cttagcagc cccgctgggc
5161 acttggcgtc acacaatgg cctctggcct cgcacacatt ccaatccac cggtaggcgc
5221 caaccgctc cgttctttgg tggcccctc gcgccacctt ctactctcc cctagtacg
5281 aagtcccc ccgcccgc gctcgcctg tgcaggacgt gacaaatgga agtagcacgt
5341 ctactagtc tctgagat ggacagcacc gctgagcaat ggaagcgggt aggcctttgg
5401 ggacgcggcc aatagcagct ttgctcttc gctttctgg ctacagagct gggaaagggt
5461 gggctccggg gcgggctcag gggcgggctc agggcgggg cgggcgccc aagctctcc
5521 ggaggcccgg catctcgcac gctcaaaaag cgcagctctg ccgctgctt ctctctcc
5581 tcatctcgg cctttcgac ctgacccca agcttgcaa tccgctact ttgtaaaagc
5641 caccatgaa gatgcaaaa acattaagaa gggcccagc cactctacc cactgaaga
5701 cgggaccgcc ggcgagcag tcacaaaagc catgaagcgc tacgccctgg tccccggc
5761 catgccttt accgacgc atactgaggt ggacattacc tacgccaggt acttcgagat
5821 gagcgttcg ctggcagaag ctatgaagc ctatgggctg aatacaaac atcggatcgt
5881 ggtgtgcagc gagaatagct tgcagttct catgccctg ttgggtgcc ttgtcatcgg
5941 ttgtgctgtg gccccagta acgacatcta caacagcgc gagctgctga acagcatggg
6001 catcagccag cccaccgctg tttctgtg caagaaagg ctgcaaaaga tctcaactg
6061 gcaaaagaag ctaccgata tacaagaat catcatcat gatagcaaga ccgactacca
6121 gggcttcaa agcatgtaca cctctgtgac ttcccattg caccggct tcaacagta
6181 cgactctg cccgagagct tgcaccggga caaaaccatc gcctgatca tgaacagtag
6241 ttggcagtag gtaggtgagg ccgtggcaca acgcttccac ctaccggca tccgcccagg
6301 cagctatgcc cgcgaccca tcttggcaa ceagatcacc cccgacacc ctactctcag
6361 cgtggtgcca ttaccacg gcttcggcat gttaccacg ctgggctact tcatctcgg
6421 cttcgggct gtcctcatg accgctcga ggaggagcta ttcttgcga gcttcaaga
6481 ctataagatt caatctgcc tctggtgccc cacactatt agcttcttc ctaagagcac
6541 tctcatgac aagtagacc taagcaact gcacgagatc gccagggcg gggcgccgct
6601 cagcaaggag gtaggtgagg ccgtggcaca acgcttccac ctaccggca tccgcccagg
6661 ctaccgctg acagaaaca ccagcgcct tctgatcacc cccgaagggg acgacaagcc
6721 ttggcgagta ggcaaggtg tgccttctt cgaggctaag gtggtgact tggacaccg
6781 taagacactg ggtgtgaacc agcgcggcga gctgtgctc cgtggccca tcatatgag
6841 cggctactg aacaacccc aggtacaaa cgctctcacc gacaaggac gctgctgca
6901 cagcggcagc atcgctact gggacagga cgagcactt tcatcgtgg accggctgaa
6961 gagcctgac aaatacaagg gctaccaggt agccccagcc gaactggaga gcatcctgct
7021 gcaacacccc aacatcttc acgcccgggt cgcccgcct cccgacgag atgcccggca
7081 gctgcccgc cgagctgctg tcttgaaca cggtaaaacc atgaccgaga aggagatcgt
7141 ggactatgtg gccagccagg ttacaaccgc caagaagctg cgcggtggtg ttgttctgt
7201 ggacgaggtg ctaaaaggc taccggcaa gttggagcc ccaagatcc gcgagattc
7261 cattaaggcc aagaaggcg gcaagatgc cgtgtaattc tagttttta aacgagctg
7321 ctaccctga gtctagatc gacctgagg