

Sequence of pKAN, 4,194 bp

1 AGCGCCAAT ACGCAAACCG CCTCTCCCCG CGCGTTGGCC GATTCATTAA TGCAGCTGGC
61 ACGACAGGTT TCCCGACTGG AAAGCGGGCA GTGAGCGCAA CGCAATTAAT GTGAGTTAGC
121 TCACTCATTA GGCACCCCAG GCTTTACTT TTATGCTTCC GGCTCGTATG TTGTGTGGAA
181 TTGTGAGCGG ATAACAATTT CACACAGGAA ACAGCTATGA CCATGATTAC GCCAAGCTTC
241 ACGCTGCCGC AAGCACTCAG GGCGCAAGGG CTGCTAAAGG AAGCGGAACA CGTAGAAAGC
301 CAGTCCGCAG AAACGGTGCT GACCCCGGAT GAATGTCAGC TACTGGGCTA TCTGGACAAG
361 GGAAAACGCA AGCGCAAAGA GAAAGCAGGT AGCTTGCACT GGGCTTACAT GGCGATAGCT
421 AGACTGGGCG GTTTTATGGA CAGCAAGCGA ACCGGAATTG CCAGCTGGGG CGCCCTCTGG
481 TAAGGTTGGG AAGCCCTGCA AAGTAACTG GATGGCTTTC TTGCCGCCAA GGATCTGATG
541 GCGCAGGGGA TCAAGATCTG ATCAAGAGAC AGGATGAGGA TCGTTTCGCA TGATTGAACA
601 AGATGGATTG CACGCAGGTT CTCCGGCCGC TTGGGTGGAG AGGCTATTTC GCTATGACTG
661 GGCACAACAG ACAATCGGCT GCTCTGATGC CGCCGTGTTT CGGCTGTCAG CGCAGGGGCG
721 CCCGGTTCTT TTTGTCAAGA CCGACCTGTC CGGTGCCCTG AATGAACTGC AGGACGAGGC
781 AGCGCGGCTA TCGTGGCTGG CCACGACGGG CGTTCCTTGC GCAGCTGTGC TCGACGTTGT
841 CACTGAAGCG GGAAGGGACT GGCTGCTATT GGGCGAAGTG CCGGGGCAGG ATCTCCTGTC
901 ATCTCACCTT GCTCCTGCCG AGAAAGTATC CATCATGGCT GATGCAATGC GGCGGCTGCA
961 TACGCTTGAT CCGGCTACCT GCCATTGCGA CCACCAAGCG AAACATCGCA TCGAGCGAGC
1021 ACGTACTCGG ATGGAAGCCG GTCTTGTCGA TCAGGATGAT CTGGACGAAG AGCATCAGGG
1081 GCTCGGCCA GCCGAACTGT TCGCCAGGCT CAAGGCGCGC ATGCCCGACG GCGAGGATCT
1141 CGTCGTGACC CATGGCGATG CCTGCTTGCC GAATATCATG GTGGAAAATG GCCGCTTTTC
1201 TGGATTCATC GACTGTGGCC GGCTGGGTGT GGCAGACCGC TATCAGGACA TAGCGTTGGC
1261 TACCCGTGAT ATTGCTGAAG AGCTTGGCGG CGAATGGGCT GACCGCTTCC TCGTGCTTTA
1321 CGGTATCGCC GCTCCCGATT CGCAGCGCAT CGCCTTCTAT CGCCTTCTTG ACGAGTTCTT

1381 CTGAGCGGGA CTCTGGGGTT CGAAATGACC GACCAAGCGA CGCCCAACCT GCCATCACGA
1441 GATTTTCGATT CCACCGCCGC CTTCTATGAA AGGTTGGGCT TCGGAATCGT TTTCCGGGAC
1501 GCCGGCTGGA TGATCCTCCA GCGCGGGGAT CTCATGCTGG AGTTCTTCGC CCACCCCGGG
1561 CTCGATCCCC TCGCGAGTTG GTTCAGCTGC TGCCTGAGGC TGGACGACCT CGCGGAGTTC
1621 TACCGGCAGT GCAAATCCGT CGGCATCCAG GAAACCAGCA GCGGCTATCC GCGCATCCAT
1681 GCCCCGAAC TGCAGGAGTG GGGAGGCACG ATGGCCGCTT TGGTCGACCC GGACGGGACG
1741 CTCCTGCGCC TGATACAGAA CGAATTGCTT GCAGGCATCT CATGAGTGTG TCTTCCCGTT
1801 TTCCGCCTGA GGTCACTGCG TGGATGGAGC GCTGGCGCCT GCTGCGCGAC GCGAGCTGC
1861 TCACCACCCA CTCGAGCTGG ATACTTCCCG TCCGCCAGGG GGACATGCCG GCGATGCTGA
1921 AGGTCGCGCG CATTCCCGAT GAAGAGGCCG GTTACCGCCT GTTGACCTGG TGGGACGGGC
1981 AGGGCGCCGC CCGAGTCTTC GCCTCGGCGG CGGGCGCTCT GTCATGGAG CGCGCGTCCG
2041 GGGCCGGGGA CCTTGACAG ATAGCGTGGT CCGGCCAGGA CGACGAGGCT TGCAGGATCC
2101 CCGGTACCG AGCTCGAATT CACTGGCCGT CGTTTTACAA CGTCGTGACT GGGAAAACCC
2161 TGGCGTTACC CAACTTAATC GCCTTGACG ACATCCCCCT TTCGCCAGCT GGC GTAATAG
2221 CGAAGAGGCC CGCACCGATC GCCCTTCCCA ACAGTTGCGC AGCCTGAATG GCGAATGGCG
2281 CCTGATGCGG TATTTTCTCC TTACGCATCT GTGCGGTATT TCACACCGCA TATGGTGAC
2341 TCTCAGTACA ATCTGCTCTG ATGCCGATA GTTAAGCCAG CCCCACACC CGCCAACACC
2401 CGCTGACGCG CCCTGACGGG CTTGTCTGCT CCCGGCATCC GCTTACAGAC AAGCTGTGAC
2461 CGTCTCCGGG AGCTGCATGT GTCAGAGGTT TTCACCGTCA TCACCGAAAC GCGCGAGACG
2521 AAAGGGCCTC GTGATACGCC TATTTTATA GGTTAATGTC ATGATAATAA TGGTTTCTTA
2581 GACGTCAGGT GGCACCTTTC GGGGAAATGT GCGCGGAACC CCTATTTGTT TATTTTCTA
2641 AATACATTCA AATATGTATC CGCTCATGAG ACAATAACCC TGATAAATGC TTCAATAATA
2701 CTCACCAGTC ACAGAAAAGC ATCTTACGGA TGGCATGACA GTAAGAGAAT TATGCAGTGC
2761 TGCCATAACC ATGAGTGATA ACACTGCGGC CAACTTACTT CTGACAACGA TCGGAGGACC
2821 GAAGGAGCTA ACCGCTTTTT TGCACAACAT GGGGGATCAT GTAACCTGCC TTGATCGTTG

2881 GGAACCGGAG CTGAATGAAG CCATACCAAA CGACGAGCGT GACACCACGA TGCCTGTAGC
2941 AATGGCAACA ACGTTGCGCA AACTATTAAC TGGCGAACTA CTTACTCTAG CTTCCCGGCA
3001 ACAATTAATA GACTGGATGG AGGCGGATAA AGTTGCAGGA CCACTTCTGC GCTCGGCCCT
3061 TCCGGCTGGC TGGTTTATTG CTGATAAATC TGGAGCCGGT GAGCGTGGGT CTCGCGGTAT
3121 CATTGCAGCA CTGGGGCCAG ATGGTAAGCC CTCCCGTATC GTAGTTATCT ACACGACGGG
3181 GAGTCAGGCA ACTATGGATG AACGAAATAG ACAGATCGCT GAGATAGGTG CCTCACTGAT
3241 TAAGCATTGG TAACTGTCAG ACCAAGTTTA CTCATATATA CTTTAGATTG ATTTAAAAC
3301 TCATTTTTAA TTTAAAAGGA TCTAGGTGAA GATCCTTTTT GATAATCTCA TGACCAAAT
3361 CCCTAACGT GAGTTTTTCG TCCACTGAGC GTCAGACCCC GTAGAAAAGA TCAAAGGATC
3421 TTCTTGAGAT CCTTTTTTTC TGC GCGTAAT CTGCTGCTTG CAAACAAAAA AACCACCGCT
3481 ACCAGCGGTG GTTTGTTTGC CGGATCAAGA GCTACCAACT CTTTTCCGA AGGTAAGTGG
3541 CTTCAGCAGA GCGCAGATAC CAAATACTGT CTTCTAGTG TAGCCGTAGT TAGGCCACCA
3601 CTTCAAGAAC TCTGTAGCAC CGCCTACATA CCTCGCTCTG CTAATCCTGT TACCAGTGGC
3661 TGCTGCCAGT GCGGATAAGT CGTGTCTTAC CGGGTTGGAC TCAAGACGAT AGTTACCGGA
3721 TAAGGCGCAG CGGTGCGGCT GAACGGGGGG TTCGTGCACA CAGCCCAGCT TGGAGCGAAC
3781 GACCTACACC GAACTGAGAT ACCTACAGCG TGAGCTATGA GAAAGCGCCA CGCTTCCCGA
3841 AGGGAGAAAG GCGGACAGGT ATCCGGTAAG CGGCAGGGTC GGAACAGGAG
AGCGCACGAG
3901 GGAGCTTCCA GGGGAAACG CCTGGTATCT TTATAGTCCT GTCGGGTTTC GCCACCTCTG
3961 ACTTGAGCGT CGATTTTTGT GATGCTCGTC AGGGGGGCGG AGCCTATGGA AAAACGCCAG
4021 CAACGCGGCC TTTTACGGT TCCTGGCCTT TTGCTGGCCT TTTGCTCACA TGTTCTTTCC
4081 TCGTATATCC CCTGATTCTG TGGATAACCG TATTACCGCC TTTGAGTGAG CTGATACCGC
4141 TCGCCGAGC CGAACGACCG AGCGCAGCGA GTCAGTGAGC GAGGAAGCGG AAGA