

Supplementary Fig. 3 Full sequence of the pAC-alphaGal4 vector (3428 bp)

GAATTCGGATGAGCATTTCATCAGGCGGGCAAGAATGTGAATAAAGGCCGG
ATAAACTTGTGCTTATTTTTCTTTACGGTCTTTAAAAAGGCCGTAATATCCA
GCTGAACGGTCTGGTTATAGGTACATTGAGCAACTGACTGAAATGCCTCAA
ATGTTCTTTACGATGCCATTGGGATATATCAACGGTGGTATATCCAGTGATTT
TTTTCTCCATTTTAGCTTCCTTAGCTCCTGAAAATCTCGATAACTCAAAAAAT
ACGCCCCGGTAGTGATCTTATTTTCATTATGGTGAAAGTTGGAACCTCTTACGTG
CCGATCAACGTCTCATTTTTCGCCAAAAGTTGGCCCAGGGCTTCCCAGTATCAA
CAGGGACACCAGGATTTATTTATTCTGCGAAGTGATCTTCCGTCACAGGTATT
TATTCGGCGCAAAGTGCGTCGGGTGATGCTGCCAACTTACTGATTTAGTGTAT
GATGGTGTTTTTGAGGTGCTCCAGTGGCTTCTGTTTCTATCAGCTGTCCTCCT
GTTCAGCTACTGACGGGGTGGTGCCTAACGGCAAAGCACCAGCCGGACATCA
GCGCTAGCGGAGTGTATACTGGCTTACTATGTTGGCACTGATGAGGGTGTCA
GTGAAGTGCTTCATGTGGCAGGAGAAAAAGGCTGCACCGGTGCGTCAGCAG
AATATGTGATACAGGATATATTCCGCTTCTCCTCGCTCACTGACTCGCTACGCTC
GGTCGTTGACTGCGGCGAGCGGAAATGGCTTACGAACGGGGCGGAGATTTTC
CTGGAAGATGCCAGGAAGATACTTAACAGGGAAAGTGAGAGGGCCGCGGCAA
AGCCGTTTTTCCATAGGCTCCGCCCCCTGACAAGCATCACGAAATCTGACGC
TCAAATCAGTGGTGGCGAAACCCGACAGGACTATAAAGATAACCAGGCGTTTC
CCCCTGGCGGCTCCCTCGTGCCTCTCCTGTTCTGCTTTTCGGTTTACCGGTG
TCATTCGCTGTTATGGCCGCGTTTGTCTCATTCCACGCCTGACACTCAGTTCC
GGTAGGCAGTTCGCTCCAAGCTGGACTGTATGCACGAACCCCCCGTTCACT
CCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGAAAG
ACATGCAAAGCACCCTGGCAGCAGCCACTGGTAATTGATTTAGAGGAGTT
AGTCTTGAAGTCATGCGCCGGTTAAGGCTAAACTGAAAGGACAAGTTTTGGT
GACTGCGCTCCTCCAAGCCAGTTACCTCGGTTCAAAGAGTTGGTAGCTCAGA
GAACCTTCGAAAAACCGCCCTGCAAGGCGGTTTTTTTCGTTTTTCAGAGCAAGA
GATTACGCGCAGACCAAACGATCTCAAGAAGATCATCTTATTAATCAGATA
AAATATTTCTAGATTTTCAGTGCAATTTATCTCTTCAAATGTAGCACCTGAAGT
CAGCCCCATACGATATAAGTTGTAATTTCTCATGTTTGACAGCTTATCATCGAT
AAGCTTGCATGCATCCATCAAAAAAATATTGACAACATAAAAAACTTTGTGT
TATACTTGTAACGCTACATGGAGATTAACTCAATCTAGCTAGAGAGGCTTTAC
ACTTTATGCTTCCGGCTCGTATAATGTGTGGAATTGTGAGCGGATAACAATTT
CACACAGGAAACAGCTATGACCATGATTACGGATTCAGTGAACCTCTAGACC
AAAGAGAGGACACAATGCAGGGTTCTGTGACAGAGTTTCTAAAACCGCGCCT
GGTTGATATCGAGCAAGTGAGTTCGACGCACGCCAAGGTGACCCTTGAGCCT
TTAGAGCGTGGCTTTGGCCATACTCTGGGTAACGCACTGCGCCGTATTCTGCT
CTCATCGATGCCGGGTTGCGCGGTGACCGAGGTTGAGATTGATGGTGTACTA
CATGAGTACAGCACCAAAGAAGGCGTTCAGGAAGATATCCTGGAAATCCTGC
TCAACCTGAAAGGGCTGGCGGTGAGAGTTCAGGGCAAAGATGAAGTTATTCT
TACCTTGAATAAATCTGGCATTGGCCCTGTGACTGCAGCCGATATCACCCACG
ACGGTGATGTCGAAATCGTCAAGCCGACGACGTGATCTGCCACCTGACCGA
TGAGAACGCGTCTATTAGCATGCGTATCAAAGTTCAGCGCGGTCGTGGTTAT
GTGCCGGCTTCTACCCGAATTCATTCGGAAGAAGATGAGCGCCCAATCGGCC
GTCTGCTGGTCGACGCATGCTACAGCCCTGTGGAGCGTATTGCCTACAATGTT

GAAGCAGCGCGTGTAGAACAGCGTACCGACCTGGACAAGCTGGTCATCGAA
ATGGAAACCAACGGCACAATCGATCCTGAAGAGGGCGATTTCGTCGTGCGGCAA
CCATTCTGGCTGAACAACCTGGAAGCTTTCGTTGACTTACGTGATGTACGTCAG
CCTGAAGTGAAAGAAGAGAAACCAGAGGGCGCCGCAGAATCAAGGCTAGAA
AGACTGGAACAGCTATTTCTACTGATTTTTCTCGAGAAGACCTTGACATGAT
TTTGAAAATGGATTCTTTACAGGATATAAAAGCATTGTTAACAGGATTATTTT
GAAGATCTGCATCGCAGGATGCTGCTGGCTACCCTGTGGAACACCTACATCT
GTATTAACGAAGCGCTAACCGTTTTTATCAGGCTCTGGGAGGCAGAATAAAT
GATCATATCGTCAATTATTACCTCCACGGGGAGAGCCTGAGCAAACCTGGCCT
CAGGCATTTGAGAAGCACACGGTCACACTGCTTCCGGTAGTCAATAAACCGG
TAAACCAGCAATAGACATAAGCGGCTATTTAACGACCCTGCCCTGAACCGAC
GACCGGGTCGAATTTGCTTTCGAATTTCTGCCATTCATCCGCTTATTACTT
ATTCAGGCGTAGCACCAGGCGTTTAAGGGCACCAATAACTGCCTTAAAAAAA
TTACGCCCCGCCCTGCCACTCATCGCAGTACTGTTGTAATTCATTAAGCATTC
TGCCGACATGGAAGCCATCACAGACGGCATGATGAACCTGAATCGCCAGCGG
CATCAGCACCTTGTGCGCTTGCCTATAAATTTGCCCATGGTGAAAACGGGGG
CGAAGAAGTTGTCCATATTGGCCACGTTTAAATCAAAACTGGTGAAACTCAC
CCAGGGATTGGCTGAGACGAAAAACATATTCTCAATAAACCTTTAGGGAAA
TAGGCCAGGTTTTACCGTAACACGCCACATCTTGCGAATATATGTGTAGAA
ACTGCCGGAAATCGTCGTGGTATTCACTCCAGAGCGATGAAAACGTTTCAGT
TTGCTCATGGAAAACGGGTGTAACAAGGGTGAACACTATCCCATATCACCAGC
TCACCGTCTTTCATTGCCATACG

Plasmid features:

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|---------------|---|
| nts 2988- 219 | Chloramphenicol-resistance gene (complementary strand) |
| nts 581-1493 | p15A origin of replication |
| nts 1552-1557 | lpp promoter -35 box |
| nts 1576-1581 | lpp promoter -10 box |
| nts 1624-1629 | lacUV5 promoter -35 box |
| nts 1648-1653 | lacUV5 promoter -10 box |
| nts 1748-2623 | alpha-Gal4 hybrid protein gene (E. coli RNA polymerase alpha subunit aa 1-248 fused by an Ala-Ala-Ala linker to aa 58-97 of the yeast Gal4 protein) |