# Figure 1: Complete Plasmid Sequence of NR-52421

>NR-52421 lot 70035175 complete plasmid sequence

gacggatcgggagatctcccgatcccctatggtgcactctcagtacaatctgctctgatgccgcatagttaagccagtatctgctccctgcttgtgtgttggaggtcgctgagtagtgcgcgagcaaaatttaagctacaacaaggcaaggcttgaccgacaattgcatgaagaatctgcttagggttaggcgttttgcgctgcttcgcgatgtacgggccagatatacgcgttgacattgattattgactagttattaatagtaatcaattacggggtcattagttcatagcccatatatggagttccgcgttacataacttacggtaaatggcccgcctggctgaccgcccaacgacccccgcccattgacgtcaataatgacgtatgttcccatagtaacgccaatagggactttccattgacgtcaatgggtggagtatttacggtaaactgcccacttggcagtacatcaagtgtatcatatgccaagtacgccccctattgacgtcaatgacggtaaatggcccgcctggcattatgcccagtacatgaccttatgggactttcctacttggcagtacatctacgtattagtcatcgctattaccatggtgatgcggttttggcagtacatcaatgggcgtggatagcggtttgactcacggggatttccaagtctccaccccattgacgtcaatgggagtttgttttggcaccaaaatcaacgggactttccaaaatgtcgtaacaactccgccccattgacgcaaatgggcggtaggcgtgtacggtgggaggtctatataagcagagctctctggctaactagagaacccactgcttactggcttatcgaaattaatacgactcactatagggagacccaagctggctagcgtttaaacGGGCCCTCTAGAATTATCGATCCGGAGGTACCGCCACCATGGGCATCCTGCCAAGCCCAGGAATGCCCGCCCTGCTGTCTCTGGTGAGCCTGCTGTCCGTGCTGCTGATGGGATGCGTGGCAGAGACCGGCACACAGTGCGTGAACCTGACCACAAGGACCCAGCTGCCCCCTGCCTATACCAATTCTTTCACACGGGGCGTGTACTATCCCGACAAGGTGTTTAGAAGCTCCGTGCTGCACTCCACACAGGATCTGTTTCTGCCTTTCTTTTCTAACGTGACCTGGTTCCACGCCATCCACGTGTCCGGCACCAATGGCACAAAGCGGTTCGACAATCCCGTGCTGCCTTTTAACGATGGCGTGTACTTCGCCAGCACCGAGAAGTCCAACATCATCAGAGGCTGGATCTTTGGCACCACACTGGACTCTAAGACACAGAGCCTGCTGATCGTGAACAATGCCACCAACGTGGTGATCAAGGTGTGCGAGTTCCAGTTTTGTAATGATCCATTCCTGGGCGTGTACTATCACAAGAACAATAAGTCCTGGATGGAGTCTGAGTTTCGCGTGTATTCTAGCGCCAACAATTGCACATTTGAGTACGTGAGCCAGCCCTTCCTGATGGACCTGGAGGGCAAGCAGGGCAATTTCAAGAACCTGAGGGAGTTCGTGTTTAAGAATATCGATGGCTACTTCAAGATCTACAGCAAGCACACCCCAATCAACCTGGTGCGCGACCTGCCACAGGGATTCTCCGCCCTGGAGCCACTGGTGGATCTGCCCATCGGCATCAACATCACCCGGTTTCAGACACTGCTGGCCCTGCACAGATCCTACCTGACACCAGGCGACTCCTCTAGCGGATGGACCGCAGGAGCTGCCGCCTACTATGTGGGCTATCTGCAGCCCCGGACCTTCCTGCTGAAGTACAACGAGAATGGCACCATCACAGACGCAGTGGATTGCGCCCTGGACCCCCTGTCTGAGACCAAGTGTACACTGAAGAGCTTTACCGTGGAGAAGGGCATCTATCAGACAAGCAATTTCAGGGTGCAGCCTACCGAGTCCATCGTGCGCTTTCCCAATATCACAAACCTGTGCCCTTTTGGCGAGGTGTTCAACGCCACCAGATTCGCCAGCGTGTACGCCTGGAATCGGAAGAGAATCTCCAACTGCGTGGCCGACTATTCTGTGCTGTACAACTCCGCCTCTTTCAGCACCTTTAAGTGCTATGGCGTGTCTCCCACAAAGCTGAATGATCTGTGCTTTACCAACGTGTACGCCGATAGCTTCGTGATCAGGGGAGACGAAGTGAGACAGATCGCACCAGGACAGACAGGAAAGATCGCAGACTACAATTATAAGCTGCCTGACGATTTCACCGGCTGCGTGATCGCCTGGAACTCCAACAATCTGGATTCTAAAGTGGGCGGCAACTACAATTATCTGTACAGGCTGTTTCGCAAGTCCAATCTGAAGCCATTCGAGCGGGACATCTCCACAGAGATCTACCAGGCCGGCTCTACCCCCTGCAATGGCGTGGAGGGCTTTAACTGTTATTTCCCTCTGCAGTCTTACGGCTTCCAGCCAACAAACGGCGTGGGCTATCAGCCCTACAGAGTGGTGGTGCTGTCCTTTGAGCTGCTGCACGCACCTGCAACAGTGTGCGGCCCAAAGAAGTCTACCAATCTGGTGAAGAACAAGTGCGTGAACTTCAACTTCAACGGACTGACCGGCACAGGCGTGCTGACCGAGAGCAATAAGAAGTTCCTGCCTTTTCAGCAGTTCGGCAGGGACATCGCAGATACCACAGACGCCGTGCGCGACCCTCAGACCCTGGAGATCCTGGACATCACACCATGCAGCTTCGGCGGCGTGTCCGTGATCACACCAGGCACCAATACATCCAACCAGGTGGCCGTGCTGTATCAGGACGTGAATTGTACCGAGGTGCCCGTGGCAATCCACGCAGATCAGCTGACCCCTACATGGCGGGTGTACTCTACCGGCAGCAACGTGTTCCAGACAAGAGCCGGATGCCTGATCGGAGCAGAGCACGTGAACAATAGCTATGAGTGCGACATCCCTATCGGCGCCGGCATCTGTGCCAGCTACCAGACCCAGACAAACTCCCCATCTGGAGCAGGCTCCGTGGCCAGCCAGTCCATCATCGCCTATACCATGAGCCTGGGCGCCGAGAACAGCGTGGCCTACTCCAACAATTCTATCGCCATCCCTACCAACTTCACAATCAGCGTGACCACAGAGATCCTGCCAGTGTCTATGACCAAGACAAGCGTGGACTGCACAATGTATATCTGTGGCGATAGCACCGAGTGCTCCAACCTGCTGCTGCAGTACGGCTCCTTTTGTACCCAGCTGAATAGAGCCCTGACAGGCATCGCCGTGGAGCAGGATAAGAACACACAGGAGGTGTTCGCCCAGGTGAAGCAGATCTACAAGACCCCACCCATCAAGGACTTTGGCGGCTTCAACTTCAGCCAGATCCTGCCTGATCCAAGCAAGCCCTCCAAGAGGTCTTTTATCGAGGACCTGCTGTTCAACAAGGTGACCCTGGCCGATGCCGGCTTCATCAAGCAGTATGGAGATTGCCTGGGAGACATCGCAGCCCGCGACCTGATCTGTGCCCAGAAGTTTAATGGCCTGACCGTGCTGCCTCCACTGCTGACAGATGAGATGATCGCCCAGTACACATCTGCCCTGCTGGCCGGCACCATCACAAGCGGATGGACCTTCGGCGCAGGAGCCGCCCTGCAGATCCCTTTTGCCATGCAGATGGCCTATAGGTTCAACGGCATCGGCGTGACCCAGAATGTGCTGTACGAGAACCAGAAGCTGATCGCCAATCAGTTTAACAGCGCCATCGGCAAGATCCAGGACTCTCTGTCCTCTACAGCCAGCGCCCTGGGCAAGCTGCAGGATGTGGTGAATCAGAACGCCCAGGCCCTGAATACCCTGGTGAAGCAGCTGAGCTCCAACTTCGGCGCCATCTCTAGCGTGCTGAATGACATCCTGAGCCGGCTGGACCCCCCTGAGGCAGAGGTGCAGATCGACAGGCTGATCACAGGCCGCCTGCAGAGCCTGCAGACCTACGTGACACAGCAGCTGATCAGGGCAGCAGAGATCAGAGCCTCCGCCAATCTGGCCGCCACCAAGATGAGCGAGTGCGTGCTGGGACAGTCCAAGAGGGTGGACTTTTGTGGCAAGGGCTATCACCTGATGTCTTTCCCACAGAGCGCCCCTCACGGCGTGGTGTTTCTGCACGTGACCTACGTGCCAGCCCAGGAGAAGAACTTCACCACAGCACCAGCCATCTGCCACGATGGAAAGGCACACTTTCCTAGGGAGGGCGTGTTCGTGTCTAACGGCACCCACTGGTTTGTGACACAGCGCAATTTCTACGAGCCACAGATCATCACCACAGACAATACATTCGTGAGCGGCAACTGTGATGTGGTGATCGGCATCGTGAACAATACCGTGTATGATCCACTGCAGCCCGAGCTGGACTCCTTTAAGGAGGAGCTGGATAAGTACTTCAAGAATCACACCTCTCCCGACGTGGATCTGGGCGACATCTCCGGCATCAATGCCTCTGTGGTGAACATCCAGAAGGAGATCGACCGGCTGAACGAGGTGGCCAAGAATCTGAACGAGAGCCTGATCGATCTGCAGGAGCTGGGCAAGTATGAGCAGTACATCAAGGGCTCTGGCAGAGAGAACCTGTATTTCCAGGGAGGAGGAGGCAGCGGATACATCCCTGAGGCACCAAGGGACGGACAGGCCTACGTGCGCAAGGATGGCGAGTGGGTGCTGCTGTCCACCTTTCTGGGCCATCATCACCACCACCACCACCACTGACTCGAGAAGCTTGCTAGCAGATCTTTTTCCCTCTGCCAAAAATTATGGGGACATCATGAAGCCCCTTGAGCACTTAAGTTTAAAccgctgatcagcctcgactgtgccttctagttgccagccatctgttgtttgcccctcccccgtgccttccttgaccctggaaggtgccactcccactgtcctttcctaataaaatgaggaaattgcatcgcattgtctgagtaggtgtcattctattctggggggtggggtggggcaggacagcaagggggaggattgggaagacaatagcaggcatgctggggatgcggtgggctctatggcttctgaggcggaaagaaccagctggggctctagggggtatccccacgcgccctgtagcggcgcattaagcgcggcgggtgtggtggttacgcgcagcgtgaccgctacacttgccagcgccctagcgcccgctcctttcgctttcttcccttcctttctcgccacgttcgccggctttccccgtcaagctctaaatcgggggctccctttagggttccgatttagtgctttacggcacctcgaccccaaaaaacttgattagggtgatggttcacgtagtgggccatcgccctgatagacggtttttcgccctttgacgttggagtccacgttctttaatagtggactcttgttccaaactggaacaacactcaaccctatctcggtctattcttttgatttataagggattttgccgatttcggcctattggttaaaaaatgagctgatttaacaaaaatttaacgcgaattaattctgtggaatgtgtgtcagttagggtgtggaaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaaccaggtgtggaaagtccccaggctccccagcaggcagaagtatgcaaagcatgcatctcaattagtcagcaaccatagtcccgcccctaactccgcccatcccgcccctaactccgcccagttccgcccattctccgccccatggctgactaattttttttatttatgcagaggccgaggccgcctctgcctctgagctattccagaagtagtgaggaggcttttttggaggcctaggcttttgcaaaaagctcccgggagcttgtatatccattttcggatctgatcaagagacaggatgaggatcgtttcgcatgattgaacaagatggattgcacgcaggttctccggccgcttgggtggagaggctattcggctatgactgggcacaacagacaatcggctgctctgatgccgccgtgttccggctgtcagcgcaggggcgcccggttctttttgtcaagaccgacctgtccggtgccctgaatgaactgcaggacgaggcagcgcggctatcgtggctggccacgacgggcgttccttgcgcagctgtgctcgacgttgtcactgaagcgggaagggactggctgctattgggcgaagtgccggggcaggatctcctgtcatctcaccttgctcctgccgagaaagtatccatcatggctgatgcaatgcggcggctgcatacgcttgatccggctacctgcccattcgaccaccaagcgaaacatcgcatcgagcgagcacgtactcggatggaagccggtcttgtcgatcaggatgatctggacgaagagcatcaggggctcgcgccagccgaactgttcgccaggctcaaggcgcgcatgcccgacggcgaggatctcgtcgtgacccatggcgatgcctgcttgccgaatatcatggtggaaaatggccgcttttctggattcatcgactgtggccggctgggtgtggcggaccgctatcaggacatagcgttggctacccgtgatattgctgaagagcttggcggcgaatgggctgaccgcttcctcgtgctttacggtatcgccgctcccgattcgcagcgcatcgccttctatcgccttcttgacgagttcttctgagcgggactctggggttcgaaatgaccgaccaagcgacgcccaacctgccatcacgagatttcgattccaccgccgccttctatgaaaggttgggcttcggaatcgttttccgggacgccggctggatgatcctccagcgcggggatctcatgctggagttcttcgcccaccccaacttgtttattgcagcttataatggttacaaataaagcaatagcatcacaaatttcacaaataaagcatttttttcactgcattctagttgtggtttgtccaaactcatcaatgtatcttatcatgtctgtataccgtcgacctctagctagagcttggcgtaatcatggtcatagctgtttcctgtgtgaaattgttatccgctcacaattccacacaacatacgagccggaagcataaagtgtaaagcctggggtgcctaatgagtgagctaactcacattaattgcgttgcgctcactgcccgctttccagtcgggaaacctgtcgtgccagctgcattaatgaatcggccaacgcgcggggagaggcggtttgcgtattgggcgctcttccgcttcctcgctcactgactcgctgcgctcggtcgttcggctgcggcgagcggtatcagctcactcaaaggcggtaatacggttatccacagaatcaggggataacgcaggaaagaacatgtgagcaaaaggccagcaaaaggccaggaaccgtaaaaaggccgcgttgctggcgtttttccataggctccgcccccctgacgagcatcacaaaaatcgacgctcaagtcagaggtggcgaaacccgacaggactataaagataccaggcgtttccccctggaagctccctcgtgcgctctcctgttccgaccctgccgcttaccggatacctgtccgcctttctcccttcgggaagcgtggcgctttctcatagctcacgctgtaggtatctcagttcggtgtaggtcgttcgctccaagctgggctgtgtgcacgaaccccccgttcagcccgaccgctgcgccttatccggtaactatcgtcttgagtccaacccggtaagacacgacttatcgccactggcagcagccactggtaacaggattagcagagcgaggtatgtaggcggtgctacagagttcttgaagtggtggcctaactacggctacactagaagaacagtatttggtatctgcgctctgctgaagccagttaccttcggaaaaagagttggtagctcttgatccggcaaacaaaccaccgctggtagcGGTggtttttttgtttgcaagcagcagattacgcgcagaaaaaaaggatctcaagaagatcctttgatcttttctacggggtctgacgctcagtggaacgaaaactcacgttaagggattttggtcatgagattatcaaaaaggatcttcacctagatccttttaaattaaaaatgaagttttaaatcaatctaaagtatatatgagtaaacttggtctgacagttaccaatgcttaatcagtgaggcacctatctcagcgatctgtctatttcgttcatccatagttgcctgactccccgtcgtgtagataactacgatacgggagggcttaccatctggccccagtgctgcaatgataccgcgagacccacgctcaccggctccagatttatcagcaataaaccagccagccggaagggccgagcgcagaagtggtcctgcaactttatccgcctccatccagtctattaattgttgccgggaagctagagtaagtagttcgccagttaatagtttgcgcaacgttgttgccattgctacaggcatcgtggtgtcacgctcgtcgtttggtatggcttcattcagctccggttcccaacgatcaaggcgagttacatgatcccccatgttgtgcaaaaaagcggttagctccttcggtcctccgatcgttgtcagaagtaagttggccgcagtgttatcactcatggttatggcagcactgcataattctcttactgtcatgccatccgtaagatgcttttctgtgactggtgagtactcaaccaagtcattctgagaatagtgtatgcggcgaccgagttgctcttgcccggcgtcaatacgggataataccgcgccacatagcagaactttaaaagtgctcatcattggaaaacgttcttcggggcgaaaactctcaaggatcttaccgctgttgagatccagttcgatgtaacccactcgtgcacccaactgatcttcagcatcttttactttcaccagcgtttctgggtgagcaaaaacaggaaggcaaaatgccgcaaaaaagggaataagggcgacacggaaatgttgaatactcatactcttcctttttcaatattattgaagcatttatcagggttattgtctcatgagcggatacatatttgaatgtatttagaaaaataaacaaataggggttccgcgcacatttccccgaaaagtgccacctgacgtc

# Figure 2: Predicted Plasmid Map of NR-52421

