*ctcgag*ggggggccc*ggtacc*caattcgccctatagtgagtcgtattacgcgcgctcactggccgtcgttttacaacgtcgtgactgggaaaaccctggcgttacccaacttaatcgccttgcagcacatccccctttcgccagctggcgtaatagcgaagaggcccgcaccgatcgcccttcccaacagttgcgcagcctgaatggcgaatgggacgcgccctgtagcggcgcattaagcgcggcgggtgtggtggttacgcgcagcgtgaccgctacacttgccagcgccctagcgcccgctcctttcgctttcttcccttcctttctcgccacgttcgccggctttccccgtcaagctctaaatcgggggctccctttagggttccgatttagtgctttacggcacctcgaccccaaaaaacttgattagggtgatggttcacgtagtgggccatcgccctgatagacggtttttcgccctttgacgttggagtccacgttctttaatagtggactcttgttccaaactggaacaacactcaaccctatctcggtctattcttttgatttataagggattttgccgatttcggcctattggttaaaaaatgagctgatttaacaaaaatttaacgcgaattttaacaaaatattaacgcttacaatttaggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaatatgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtatgagtattcaacatttccgtgtcgcccttattcccttttttgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgcacgagtgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttttaaagttctgctatgtggcgcggtattatcccgtattgacgccgggcaagagcaactcggtcgccgcatacactattctcagaatgacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccataaccatgagtgataacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaaccgcttttttgcacaacatgggggatcatgtaactcgccttgatcgttgggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctgtagcaatggcaacaacgttgcgcaaactattaactggcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagttgcaggaccacttctgcgctcggcccttccggctggctggtttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccgtatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaactgtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatcctttttgataatctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatcctttttttctgcgcgtaatctgctgcttgcaaacaaaaaaaccaccgctaccagcggtggtttgtttgccggatcaagagctaccaactctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggcgataagtcgtgtcttaccgggttggactcaagacgatagttaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcccagcttggagcgaacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgccacgcttcccgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccagggggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcaggggggcggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcctgcgttatcccctgattcTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGCAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCATTAATGCAGCTGGCACGACAGGTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAACAATTTCACACAGGAAACAGCTATGACCATGATTACGCCAAGCTCGAAATTAACCCTCACTAAAGGGAACAAAAGCTGGAGCTCCACAATTCGGCAGAGTTAAGACCAGATTCTTAGTTTTAGTTGAAGTGACTGGACGCGTACTGTCTGTGTCCGGCTTTTTTCTTTATCTCACAGCCAAATCACTAAATATCACC**GGATC**tATGGACTATAAGGACCACGACGGAGACTACAAGGATCATGATATTGATTACAAAGACGATGACGATAAGATGGCCCCAAAGAAGAAGCGGAAGGTCGGTATCCACGGAGTCCCAGCAGCCGTAGATTTGAGAACTTTGGGATATTCACAGCAGCAGCAGGAAAAGATCAAGCCCAAAGTGAGGTCGACAGTCGCGCAGCATCACGAAGCGCTGGTGGGTCATGGGTTTACACATGCCCACATCGTAGCCTTGTCGCAGCACCCTGCAGCCCTTGGCACGGTCGCCGTCAAGTACCAGGACATGATTGCGGCGTTGCCGGAAGCCACACATGAGGCGATCGTCGGTGTGGGGAAACAGTGGAGCGGAGCCCGAGCGCTTGAGGCCCTGTTGACGGTCGCGGGAGAGCTGAGAGGGCCTCCCCTTCAGCTGGACACGGGCCAGTTGCTGAAGATCGCGAAGCGGGGAGGAGTCACGGCGGTCGAGGCGGTGCACGCGTGGCGCAATGCGCTCACGGGAGCACCCCTCAAC**CTGACCCCGGACCAGGTGGTTGCAATCGCGTCACACGATGGGGGAAAGCAGGCCCTAGAAACCGTTCAGCGACTCCTGCCCGTCCTGTGCCAGGACCACGGCCTGACCCCAGAACAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGCCCACGGCCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGCCCACGGCCTGACCCCAGCCCAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGACCACGGCCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCCGAACAGGTTGTCGCTATTGCTAGTAACGGCGGAGGCAAACAGGCGCTGGAAACAGTTCAGCGCCTCTTGCCGGTCTTGTGTCAGGCCCACGGCCTGACCCCAGACCAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCtGTGCTGTGCCAAGCCCACGGCCTGACCCCAGCCCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCAGACCAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGACCACGGCCTGACCCCAGAACAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCGGTGCTGTGCCAAGCCCACGGCCTGACCCCAGACCAAGTTGTCGCGATTGCAAGCAACAACGGAGGCAAACAAGCCTTAGAAACAGTCCAGAGATTGTTGCCtGTGCTGTGCCAAGCCCACGGCCTGACCCCAGCCCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCAGACCAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGACCACGGCCTGACCCCAGAACAGGTTGTGGCCATCGCCAGCAACATAGGTGGCAAGCAGGCCCTCGAAACCGTCCAGAGACTGTTACCGGTTCTCTGCCAGGCCCACGGCCTGACCCCCGACCAGGTTGTCGCTATTGCTAGTAACGGCGGAGGCAAACAGGCGCTGGAAACAGTTCAGCGCCTCTTGCCGGTCTTGTGTCAGGCCCACGGCctgacC**cctgagcaggtagtggctattgcatccaacGGAGGGGGCAGACCCGCACTGGAGTCAATCGTGGCCCAGCTTTCGAGGCCGGACCCCGCGCTGGCCGCACTCACTAATGATCATCTTGTAGCGCTGGCCTGCCTCGGCGGACGACCCGCCTTGGATGCGGTGAAGAAGGGGCTCCCGCACGCGCCTGCATTGATTAAGCGGACCAACAGAAGGATCCCCGAGAGGACATCACATCGAGTGGCAGGTTCCCAACTCGTGAAGAGTGAACTTGAGGAGAAAAAGTCGGAGCTGCGGCACAAATTGAAATACGTACCGCATGAATACATCGAACTTATCGAAATTGCTAGGAACTCGACTCAAGACAGAATCCTTGAGATGAAGGTAATGGAGTTCTTTATGAAGGTTTATGGATACCGAGGGAAGCATCTCGGTGGATCACGAAAACCCGACGGAGCAATCTATACGGTGGGGAGCCCGATTGATTACGGAGTGATCGTCGACACGAAAGCCTACAGCGGTGGGTACAATCTTCCCATCGGGCAGGCAGATGAGATGCAACGTTATGTCGAAGAAAATCAGACCAGGAACAAACACATCAATCCAAATGAGTGGTGGAAAGTGTATCCTTCATCAGTGACCGAGTTTAAGTTTTTGTTTGTCTCTGGGCATTTCAAAGGCAACTATAAGGCCCAGCTCACACGGTTGAATCACATTACGAACTGCAATGGTGCGGTTTTGTCCGTAGAGGAACTGCTCATTGGTGGAGAAATGATCAAAGCGGGAACTCTGACACTGGAAGAAGTCAGACGCAAGTTTAACAATGGCGAGATCAATTTCCGCTCAGGATCAGGAGAAGGAAGAGGATCACTTCTTACATGTGGAGATGTTGAAGAAAACCCAGGACCAgtgagcaagggcgaggaggataacatggccatcatcaaggagttcatgcgcttcaaggtgcacatggagggctccgtgaacggccacgagttcgagatcgagggcgagggcgagggccgcccctacgagggcacccagaccgccaagctgaaggtgaccaagggtggccccctgcccttcgcctgggacatcctgtcccctcagttcatgtacggctccaaggcctacgtgaagcaccccgccgacatccccgactacttgaagctgtccttccccgagggcttcaagtgggagcgcgtgatgaacttcgaggacggcggcgtggtgaccgtgacccaggactcctccctgcaggacggcgagttcatctacaaggtgaagctgcgcggcaccaacttcccctccgacggccccgtaatgcagaagaagaccatgggctgggaggcctcctccgagcggatgtaccccgaggacggcgccctgaagggcgagatcaagcagaggctgaagctgaaggacggcggccactacgacgctgaggtcaagaccacctacaaggccaagaagcccgtgcagctgcccggcgcctacaacgtcaacatcaagttggacatcacctcccacaacgaggactacaccatcgtggaacagtacgaacgcgccgagggccgccactccaccggcggcatggacgagctgtacaagtaaaattc**GATATC**TAACCGACTCCACTCCCACACAATTAAGACAATGCTTGGTGATTTGGACTTTTGGCTAAATTATATAATAAAAATTTGAAAAGGTTGATATAATAAACTAATTTGAAAAGCTAAAAAAAAAAAAAAAAAA

mCherry

Halocynthia tubulin UTR

RNA synthesis should be done with T3 RNA polymerase.