>Odontosyllis luciferase candidate #3 (long ORF from DN46871\_c9\_g1\_i2)

ATGAAGTTAGCACTGTTATTAAGTATTGGATGTTGCCTGGTTGCCGTGAACTTTGCTTTACGTGCTACTATCATTCGTtgcCTTCGTAAAACTCGTAGTTGGTCAGAAATTGATTGTACACCACATCAGGACAAGCTGTATGAGGACTTTGACCGTATCTGGGCCGGAGATTACCTGTCAGTATTTGCTGAATGGTTAGATAATCCCATCCCCCCAGAGTGGTCTGAGCAACGTCTGGCCACATACTGCATTGAGCGTGAATGTCACACTAATCAAGCTATGGTTGACTATATGAATATCCATGGATATGCCCCTTTTTGCATGGAACGTAGTGTTgagGACTGGGTGAATGCTCGTTTCTGGACTCGTTGTAAGGTTCGTACTGACCGTAGTTTAGAACTGGCACCTGAAGAATATGCCACCTACTTTTGTTATAAGGTGTTTCGTGTAcaaGATCCTAAAATTGCTtgcCCCTCCATGGATGTGATCCTTTCACCTAACAAACTGACTGTACAACAAATGATGCAAAATAAGGAAATTCGTGGAGTTGTAGCAGATAAATCTGAGCAATGGTGGGTTGGAATTATGCGTGAAATCATGCATCTGTCTAAGGACTTGAATGGTGTTCGTCAATTCCATTATGGATGGATCATTAACACAGCTACACAAAAGAATGTGGTTCCTTTGTGGTCACGTTATcaaGGACCTACTGTTCCAGTACGTCGTGACATGCCTCGTATCATTAATGCCATGTCTAATGGCGGAGGAAACATCACCTTGGGAGATATTCGTAATTTCCACTGCtccGCTGATCCAGACAGTGTTGCTGTCATCTGCCCTGAGTTTGGTTTCTTGTCCTATAGTcctGCTGAAACTATTGTTATGGTTCTTGTAAATGGATTAATCCTGATGGGAATGACACAATCTGCAGATGGTGTACCCTTCGTAAAATCTGCACTGTTTGCTGAGATGTATAACCTTCAACAGtcaggt

Odontosyllis luciferase candidate #3 (long ORF from DN46871\_c9\_g1\_i2), optimized for expression @E.coli @Pichia @Tobacco, for cloning into MoClo L0-SP (overhangs AATG+AGGT). Ordered from Twist as linear dsDNA fragments.

Link to the construct and sequences:

<https://benchling.com/s/seq-g52lbWvFsr6qQZnbVjLN>

>Odontosyllis luciferase candidate #5 (long ORF from DN46871\_c9\_g1\_i6)

ATGAAGTTAGCACTGTTACTTTCTATTGGATGTTGCCTGGTTGCCGTGAACTTTGCTTTACGTGCTACTATCATTCGTtgcCTTCGTAAAACTCGTAGTTGGTCAGAAATCGATTGTACACCACATCAGGACaaaCTTTATGAGGACTTTGACCGTATCTGGGCCGGAGATTACCTGTCAGTATTTGCTGAATGGTTAGATAATCCCATCCCCCCAGAGTGGTCTGAGCAACGTCTGGCCACATACTGCATTGAGCGTGAATGTCACACTAATCAAGCTATGGTTGACTATATGAATATCCATGGATATGCCCCTTTTTGCATGGAACGTAGTGTTgagGACTGGGTGAATGCTCGTTTCTGGACTCGTTGTAAGGTTCGTACTGACCGTAGTTTAGAACTGGCACCTGAAGAATATGCCACCTACTTTTGTTATAAGGTGTTTCGTGTAcaaGATCCTAAAATCGCTtgcCCCTCCATGGATGTGATCCTTTCACCTAACAAACTGACTGTACAACAAATGATGCAAAATAAGGAAATTCGTGGAGTTGTAGAGGATCGTTCTGAGCAATGGTGGGTTGGATTGATGCGTGAAATCTCCCATCTGTCTAAGGACTTGAATGGTGTGAAACAATTCCATTATGGATGGATCATCAACACAGCTACACAAAAGAATGTGGTTCCTTTGTGGTCACGTTATCAGGGTCCTACTATTCCAGTACGTCGTGACATGCCTCGTATCATTAATGCCATGTCTAATGGCCGTGGAAACATCACCTTGGGAGATATTCGTAATTTCCACTGCtctGCTGATCCAGACAGTGTTGCTGTCATCTGCCCTGAGTTTGGTTTCTTGTCCTATTCAcccGCTGAAACTATCGTTATGGTTCCAGTAAATGGATTAATCCTGATGGGAATGACACAATCTGCAGATGGAGTACCCTTCGTAAAATCTGCCCTTTTTGTTGAGGTGTATAACCTGCAACAGtcaggt

Odontosyllis luciferase candidate #3 (long ORF from DN46871\_c9\_g1\_i2), optimized for expression @E.coli @Pichia @Tobacco, for cloning into MoClo L0-SP (overhangs AATG+AGGT). Ordered from Twist as linear dsDNA fragments.

Sequences in file: sq-22462.zip (construct #77)