

## B<dFTN2> sequence on attTN7 site (integration site):

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GTCAGGCTTGCTTCTGCAAACACAGAGAAAAGCGCTCATCGATAAGGTCGCGGCACAAACAGTTGCGACGGTGGTACGCATAACTTTCATAAT
GTCTCCTGGGAGGATTCATAAAGCATTGTTTGTGGCTACGAGAAGCAAATAGGACAAACAGGTGACAGTTATATGTAAGGAATATGACAG
TTTTATGACAGAGAGATAAAGTCTTCAGTCTGATTTAAATAAGCGTTGATATTCAGTCAATTACAAACATTAATAACGAAGAGATGACAGAA
AAATTTTCATTCTGTGACAGAGAAAAAGTAGCCGAAGATGACGGTTTGTACATGGAGTTGGCAGGATGTTTATGATAAAAACATAGTAGTAG
GTTGAGGCCGTTGAGCACCGCCCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCCCCGCCACGGGGCCTGCCACCATAC
CCACGCCGAAACAAGCGCTCATGAGCCCGAAGTGGCGAGCCGATCTTCCCATCGGTGATGTCGGCGATATAGGCCAGCAACCGCACCT
GTGGCGCCGGTGTGTCGGCCACGATGCGTCCGGCGTAGAGGATCGAGATCGATCTCGATCCCGCGAAATTAATACGACTCACTATAGGGGA
ATTGTGAGCGGATAACAATTCCTCTAGAAATAATTTTGTAACTTTAAGAAGGAGATATACATATGAAAAAGATTGGCTGGCGCTGGC
TGGTTAGTTTACGCTTAGCGCATCGGCGGACATCCAGATGACGCAATCTCCAAGCTCCCTGAGCGCGAGCGTTGGCGATCGTGTACCA
TCAGTGTAAAGCCAGCCAAAACGTTGGCACCAATGTTGCGTGGTATCAGCAAAAGCCTGGTAAGGCTCCGAAAGCGCTGATTTACAGCGCC
AGCTTCCTGATTCAGGTGTCCGTATCGCTTCTCTGGTAGCGGTAGCGGCACGGACTTCACGCTGACCATTAGCAGCCTGCAGCCGGAAGA
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GCGAAAGTCCAGTGAAAGTTGATAATGCCCTGCAGAGCGGCAACTCTCAGGAAAGCGTTACCGAGCAAGACTCGAAAGATAGCACCTACAG
CCTGTCTCTACCTTGACCTGAGCAAAGCTGACTATGAGAAACACAAAGTCTACGCGTGTGAAGTCACTCATCAGGGCCTGTCTAGCCCTG
TCACCAAAAGCTTCAATCGTGGTGTGAGTGTAGTAA CAATTAAGATAGTTGATGATAAACTTGTCACTTAAATCAAGAAGGAGAATGTACA
ATGAAAAAGATTGGCTGGCGCTGGCTGGTTAGTTTACGCTTAGCGCATCGGCGGGAAGTCCAAGTGGTTGAGAGCGGTGGCGGCTGGT
CCAGCCGGGTGGCAGCTTGCGTCTGTGCTGTGCAGCGTCCGGCTACGCTTTACGGACTACGGTATGAAC TGGGTGCGCCAGCCGCGGGTA
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TATGGACTACTGGGCCCCAAGGTACCTTAGTGACCGTCAAGCAGCGCTCTACCAAGGGTCCGTCCGTTTTTCCGCTGGCGCCAGCAGCAAGA
GCACTAGCGGTGGCACTGCAGCGCTGGGTGGCTGGTAAAAGACTATTTTCCAGAACCGGTACCGTGAGCTGGAACAGCGCGCGCTGACC
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TTGAGGGTTTTTTTCTGAAAGGAGGAATATATCCGGCATCCATTTATTACTCAACCGTAACCGATTTTGCAGGTTACGCGGCTGGTCAA
CGTCGGTACCTTTGATCAGCGCGACGTGATAAGCCAGTAGCTGCAGCGGAACGGTGTAGAAGATTGGTGAATCACCTCTTCCACATGCGGC
ATCTCGATGATGTCATGTTATCGCTACTTACAAAACCCGCATCCTGATCGGCGAAGACATACAAC TGACCCACGCGCGGAACCTTCTTC
AATGTTGATTTTTAGTTTTTCCAGCAATTCGTTGTTCCG

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The expression cassette is composed of the T7 promoter/operator element (highlighted in yellow), the coding sequence for the ompA signal sequence for periplasmic translocation (highlighted in green), the Fab light chain (LC) (highlighted in magenta), a spacer and again the ompA signal sequence, the FTN2 heavy chain (HC) (highlighted in red) and the transcription terminator element tZenit (highlighted in blue).